GUERNSEY BREEDERS' JOURNAL

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VOLUME XLII.

JULY 1—DECEMBER 15

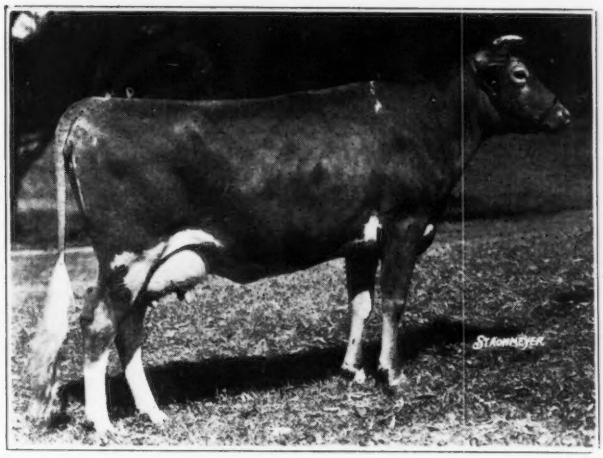
1932

THE AMERICAN GUERNSEY CATTLE CLUB
PETERBORO, NEW HAMPSHIRE

Langwater Farm

North Easton **Massachusetts**

At the present time we have to offer a very desirable list of young bulls, including sons of cows here presented.



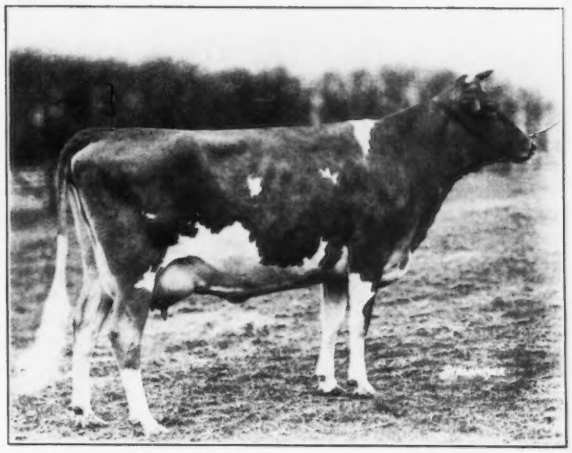
LANGWATER LIVELY 266755

12540.1 lbs. milk, 647.6 lbs. fat, Class F

A daughter of Langwater Valiant 51868, A. R., the sire of 18 A. R. daughters and 14 A. R. sons, and out of Imp. Bigard's Dairymaid of Langwater 110724, 12922.2 lbs. milk, 653.5 lbs. fat, A.

Dam of Bull Calf born March 13, 1932, by LANGWATER PHARAOH 98719, A. R.

The tested dams of the first three generations of the above calf average 13500.38 lbs. milk and 696.0 lbs. fat.



LANGWATER TULIP 307368

On test in Class G and in 168 days has produced 5550.3 lbs. milk and 282.43 lbs. fat.

A daughter of Langwater Pharaoh 98719, A. R. Dam of Bull Calf born December 8, 1931.

Sire: LANGWATER MERRYMAKER 166128. A very growthy calf, straight and very deep, exceptionally well marked.

The five nearest tested dams average 14396.24 lbs. milk and 705.08 lbs. fat.

Also

LANGWATER BELLBOY 200716

Born September 13, 1931

Sire: LANGWATER MERRYMAKER 166128

Dam: LANGWATER BELLE 304317

Now on test in Class G and in 255 days has produced 8670.2 lbs. milk and 421.98 lbs. fat.

This calf is a double grandson of Langwater Valiant 51868, A. R., having Langwater Blanche 143402 and Imp. Angulosa's Blanche of Langwater 110748 as maternal grandam and great grandam.

The average of the six nearest tested dams is 14034.0 lbs. milk and 713.17 lbs. fat.

It is very gratifying to us that the first Langwater Pharaoh daughter that we have had an opportunity to place on retest at the farm, Langwater Gardenia 2d 283995, has milked above 60 lbs. in Class C and in the first 84 days has produced 4668.6 lbs. milk and 225.87 lbs. fat. Also another Langwater Pharaoh daughter, Valentine of Langwater 2d 284004, owned by Theodore Ellis of Worcester, has milked unofficially 62.2 lbs. as a senior three year old, and produced in May 1797.1 lbs. milk and 91.31 lbs. fat.

Herd Federally Accredited and Blood Tested Regularly for Past Eight Years

LANGWATER FARM, North Easton, Mass.

John S. Ames, *Owner* **F. C. Shaw, *Manager***

Fairs - Summer Meetings

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(Name of Fair, Picnic or Meeting)

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Express Address .....

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DEVOTED TO THE ADVANCEMENT OF THE GUERNSEY

Guernsey Breeders' Journal

VOLUME 42 JULY 1 NUMBER 1

WHO'S WHO

V. A. Rice, the author of The Great Ghost, "Conversion Factors," in this issue, is professor of Animal Husbandry at the Massachusetts State College, Amherst.

Leon F. Whitney gives his third article of a series on the A B C of Breeding. Mr. Whitney is Executive Secretary of the American Eugenics Society and is a splendid writer on breeding subjects.

C. G. Cushman, who reports the South Carolina Sales, is connected with Clemson College, South Carolina, in dairy extension work.

WHAT'S COMING

Fairs

The July 15 issue each year is devoted to a presentation of the latest information on fairs that it is possible to obtain. Several weeks prior to the publishing of the Journal a questionnaire is prepared and sent to over 100 of the leading fairs in this country and Canada. From the returns of this questionnaire a survey is made showing the premiums offered by the various fairs for all dairy breeds and particularly for Guernseys.

There is also listed in this issue of the Journal a semi-complete list of the dates of the various fairs. This contains, as near as we can secure the information, the judge of the Guernsey exhibit and the date set aside as Guernsey day. This information, together with several suggested fair circuits, will be given to our breeders so that they may take advantage of exhibiting or attending the fairs on Guernsey day.

Meetings

The summer meetings and picnics of various state organizations are being held nearly every week and these will be reported, beginning with the July 15 issue, as soon as the reports can be obtained by the Journal. Breeders are vitally interested in these meetings and many good attendances are being reported.

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Karl B. Musser — Secretary-Treasurer, Editor
Lincoln R. Lounsbury — Journal Division, Managing Editor
C. M. Cummings — Advanced Register Division
W. A. Knowles — Accounting Division
Elsworth Bunce — Information and Service Division
E. L. Safford — Herd Register Division

Field Representatives

H. C. Bates, 1100 McLynn Avenue, N. E., Atlanta, Georgia
C. B. Finley, Room 203, Gorham Building, Minneapolis, Minnesota
R. L. Holden, 500 North Salisbury Street, West Lafayette, Indiana
C. W. Robinson, Room 300, Corbett Building, Portland, Oregon

Milk Marketing Representative

W. W. Fitzpatrick, Clemson College, South Carolina

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Florham Farm...

SIRE

Langwater Steadfast 31672

Sire of
Langwater Fidele 98593
828.0 lbs. fat in A
Shuttlewick Levity 101850
804.4 lbs. fat in G
Langwater Fairy 97979
699.5 lbs. fat in DD
(Former Class Leader)
Valentine of Langwater 112438
787.4 lbs. fat in A

DAM

Langwater Crystal 70297
12359.2 lbs. milk,
603.5 lbs. fat in B

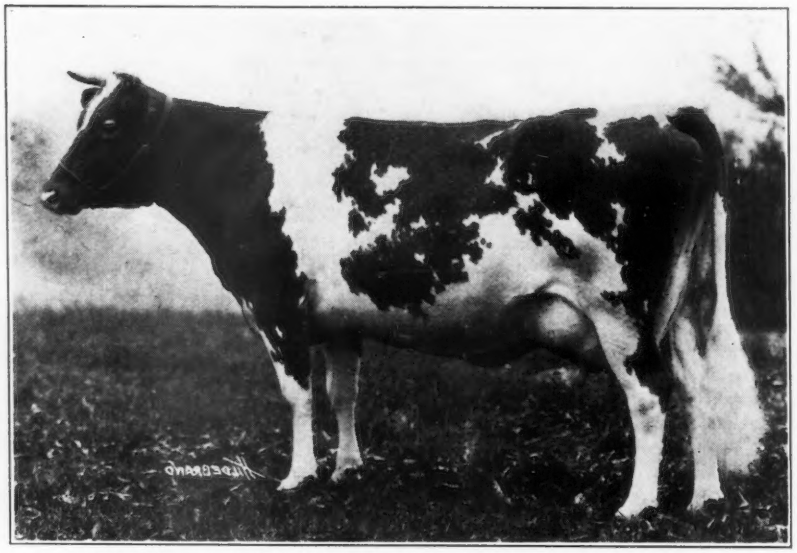
LANGWATER STAR GAZER 60164

Sire of Florham Bella 139725	935.9 lbs. fat in A –698.9 lbs. fat in D
Florham Diana 192548	868.2 lbs. fat in A –751.0 lbs. fat in D
Star Gazer's Easter Rose 128023	859.6 lbs. fat in AA–675.1 lbs. fat in FF
Florham Delight 158238	825.6 lbs. fat in AA–607.1 lbs. fat in EE
Florham Sybarita 218109	711.8 lbs. fat in B –596.7 lbs. fat in G

SIRE

Langwater Cavalier 21012

Sire of
Upland's Maid 124524
748.6 lbs. fat in C
Lotota of Upland Farms 52907
673.9 lbs. fat in A
Cavalier's Helen 65648
734.3 lbs. fat in F
Genevieve of Woodside Farms 76784
694.0 lbs. fat in AA



DAM

Falstaff's Wyoming 2d 20585

Dam of
2 A. R. daughters
Falstaff's Wyoming of Upland Farms 68406
745.6 lbs. fat in AA
Brookfield Wyoming 180451
719.7 lbs. fat in AA

FALSTAFF'S WYOMING OF UPLAND FARMS 68406

16125.0 lbs. milk, 745.6 lbs. fat in Class AA
(Made at 10 years of age)
14748.8 lbs. milk, 679.3 lbs. fat in Class A
13331.1 lbs. milk, 618.1 lbs. fat in Class B
9445.6 lbs. milk, 443.0 lbs. fat in Class G

WE ARE NOW OFFERING FLORHAM JUPITER, A SON OF THE ABOVE ANIMALS, BORN AUGUST 5, 1930

Federal Accredited *Abortion Free*

FLORHAM FARM

MADISON, NEW JERSEY

Miss Ruth V. Twombly, Owner R. H. Allen, Manager

Here And There....

Twenty-eight per cent more Wisconsin milk is now being separated for the sale of cream than was the case a year ago, according to the Federal-State Crop Reporting Service at Madison. During the last four months dairy reporters have indicated an average increase of twenty per cent in cream sales.

In Denmark the whole milk is taken to the creameries and skimmed and then sent back to the farms in proportion to the amount of milk sent.

Wisconsin dairy cattle shipped out of the state during the first four months of this year numbered 14,201 head. These sales showed an increase of thirteen per cent over the same period of last year. New Jersey, Illinois, New York, Pennsylvania, Massachusetts and Vermont were leading out-of-state buyers.

A movement is now under way to consolidate the dairymen in the Wisconsin Co-operative Milk Producers' Pool and the Wisconsin Dairy Union. This would bring 7,500 milk producers together.

The Eastern States Exposition will put on the first onion show to be held in the history of this country. The exhibit will come from the Connecticut Valley.

Everyone likes to compare his state with that of his neighbor and here is a chance. The states showing the greatest increase in the number of cows on Advanced Register test during the past year were Alabama, thirty-one; Illinois, twenty-five; Washington, twenty-one; Tennessee, eighteen, and Georgia, seventeen.

News items of the breed placed by the Division of Information and Service were published in hundreds of newspapers and occupied 6,751 column inches in 1931-32.

The average price for fluid milk on the market of this country for the month of June was $1.69 per hundred, according to the Department of Agriculture.

A fact that more than interests the creamery people and all producers of butter fat is that the cold storage report for June shows that the amount of butter in storage is low. The five year average is 2,000,000 pounds higher than the present storage, and this year is 6,000,000 pounds below that of last year.

The average dairy farm in the Connecticut River section of Grafton County, New Hampshire, is 230 acres in size, of which virtually twenty-two per cent is in crops. It has sixteen cows, less than three horses and thirty-eight hens. And they seem to make a living.

The National Dairy Council has grown during the past few years. M. D. Munn, president, recently told us that in 1913 it was an unincorporated organization known as the "Council of the National Dairy Show," while now they have twenty-two regional units and a national organization.

Every year is a good year to begin something new, so it is not unusual that in 1931 there were 2,149 new breeders of Guernseys. It is rather interesting to know where most of these new ones are located, so we find 192 in Ohio; 186 in New York; 178 in Pennsylvania; 162 in Michigan; 133 in Indiana; 122 in Wisconsin; 106 in North Carolina; 102 in Illinois; ninety-five in Minnesota; sixty-five in Oregon; Virginia with sixty-three; Kansas, fifty-three; South Carolina, fifty-two; and Iowa and Maryland with fifty-one each.

Swiss cheese is not as popular as in 1927. This is not because it is not appreciated, but rather that people have modified their taste. Thus far in 1932 there has been only a total of 3,791,253 pounds imported into this country as against 5,061,560 a year ago.

Advanced Register testing was done in forty-three states by 493 Guernsey breeders. Pennsylvania led with the number of cows on test, having 310. Other states having more than 100 cows on test were: New York, 295; Massachusetts, 261; California, 184; Ohio, 133; Connecticut, 127, and Michigan, 113.

Governor Stanley C. Wilson of Vermont recently stated that, "Because the prosperity of the nation is largely dependent upon the prosperity of agriculture, and because its products are essential to life and health, dairy farmers must have a reasonable measure of prosperity."

Cliff Finley says: "When we realize that there is a normal demand for approximately 200,000 bulls yearly for replacement and that only 50,000 pure bred bulls are available out of dams with any kind of a record, can we see the possibilities for those who are doing some sort of testing. The fact that our official testing, along with cow testing work, has held up exceedingly well in the Mid-West section argues for the demand for Guernsey bulls in the future."

In announcing a change of a recent publication, they use the following: "Changing to 'Summer Clothes.' This issue of the Exchange undoubtedly looks rather strange—but we bet that you can guess the reason why. Our income and outgo have just been a-falling out so that we've had to 'change our clothes' or maybe die. But by this little wrinkle we will still proceed to twinkle and shed a ray of light upon the way; and when the panic is over, we will surely be in clover—our 'big clothes' we will wear again some day."

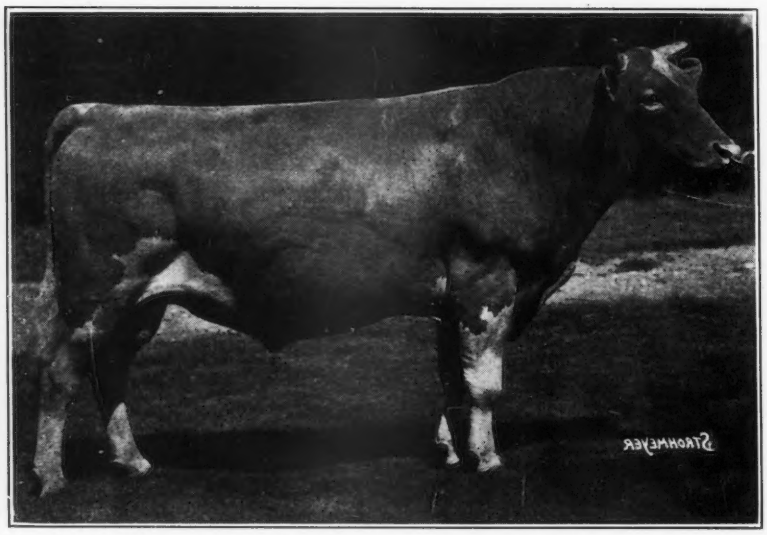
Guernseys have been definitely selected as the dairy breed for the farm at the Western Carolina Teachers' College, Cullowhee, North Carolina. Two years ago the college farm was urged to adopt the Guernsey breed for its dairy, and as a result a pure bred bull and three grade heifers were purchased. When the question was brought up of the possibility of producing a cheaper grade of milk for the college by using another breed, H. T. Hunter, president of the college, replied, "Western Carolina Teachers' College is a quality institution and I want the milk that is served in the dining room to be in keeping with the ideal that we have set for the college."

Four two year old daughters of Rockingham Royal Holliston 112267

Daughters of Rockingham Royal Holliston 112267 are coming into their own

Rockingham Royal Violet 251019		9024.8	450.8	GG
	172 days	5475.5	267.67	A
Rockingham Royal's Betty 222398		10408.9	489.3	G
		12753.4	626.6	C
Rockingham Royal Daisy 248596		6486.1	343.5	FF
Rockingham Ada 302212		11177.0	569.8	G
	143 days	6408.0	305.73	D
Rockingham Royal Lady 350737	97 days	3260.7	145.35	F
Rockingham Mistletoe 339775	253 days	7686.3	307.20	G
Rockingham Royal Choisie 350738	97 days	3093.9	148.30	G

Their Sire



Rockingham Royal Holliston 112267

Sired by Langwater Holliston 28055, 53 A. R. daughters including Rockingham Francaise 256675, 739.7 lbs. fat, C; Rockingham Maid 94933, 820.4 lbs. fat, D. His progeny have won prizes in the show ring.

His dam is Brilliant Lassie 86452

Long distance champion of the breed.
Her 10 consecutive records average 653 lbs. fat.

Rockingham and Greycourt Farms

Salem, New Hampshire **Methuen, Massachusetts**

Federal Accredited and subject to Agglutination Test for Infectious Abortion

C. E. TISDALE, *Mgr.*—Address correspondence to D. G. TENNEY, *Owner*, 535 Fifth Avenue, Room 1002, New York City

Making a fourteen foot cut in the second year's growth of alfalfa on the Buttonwillow Ranch, owned by Adohr Stock Farm, at Buttonwillow, California. Adohr purchased approximately 2,000 acres of new land on the old lake bottom in the valley near Bakersfield. The first man was set down on the land on June 10, 1930, and the year 1931 yielded full crops averaging one ton per cutting per acre after it was seeded on September 18, 1930. It is estimated that the yield will be from one and one-half to two tons per cutting per acre this year. Art Connors is manager of the new place. It has changed a lot since he set up a tent in the middle of it with four men two years ago. The regular crew now exceeds fifty.

On April 14 they were baling the second cutting of alfalfa for the year 1932 and they expect to make six more cuttings. This photograph shows the building of a stack of baled hay containing 750 tons.

If that 750 ton stack in the other picture impressed you just take a look at this picture for it contains four of these 750 ton stacks. In the foreground will be seen some of the Guernsey heifers which are shipped up from the Adohr Stock Farm at Reseda, California, before they become six months of age. They are kept at the Buttonwillow Ranch until a month or so before they are ready to freshen with first calf, at which time they go down to the producing dairy at Reseda. At the beginning of its second year of operation there are about 650 head of heifers on the Buttonwillow Ranch.

Alfalfa and Guernseys

Alfalfa is not the only luxuriant crop in Kern County. Three guesses as to what this is. It is probably the largest pit silo that has ever been dug, measuring fifty feet by 100 feet and about twelve feet deep. In 1931, just about sixteen months after the ground had first been broken for the ranch, they filled this pit with thirty-three acres of ensilage corn and its estimated capacity when filled is a little over 900 tons. It was covered with old hay and Art Connors and the boys claim that they never lost a shovelful of feed. The silage was packed with sixty horse power caterpillar tractors which were driven around on top of the pit as fast as it arose from the floor of the pit.

The establishment of a feed ranch such as this one at Buttonwillow is indicative of the trend toward the raising of heifers by the large commercial dairies of California instead of the purchase of replacement cows. Some of these dairies in the Los Angeles area milk from 1,000 to 2,000 cows and they have found it more economical in the past to replace the cows at the end of a long lactation period instead of trying to breed and raise young stock on the very high price land in that area. Now, however, the tendency is toward the purchase of large tracts, either in the San Joaquin or Imperial Valleys, for the purpose of raising heifers as well as the source of alfalfa hay for the producing dairy. The operations are usually carried on on a tremendous scale such as these pictures indicate.

ABC of BREEDING

By LEON F. WHITNEY

How Changes Come About

The Mechanics *of* Heredity

Chapter III.

WHAT puzzles the average breeder, about as much as any other one particular, is an explanation of how our great dairy cattle of today could have come from the ancient progenitor which was only able to give enough milk to nourish one calf. It just does not seem reasonable. Now, right here, in the explanation of how these great changes have come about, is one possible decided help to the Guernsey breeder. Everyone has heard of a sport. I do not like the term sport because it might mean any one of several different things. The modern word is mutation and mutation is the sudden change from the inheritance of the ancestors.

Evolution built up cattle to have horns, but if a cow suddenly lost its ability to produce horns that would be a mutation. Suppose a cow was born with eight teats and a very much larger udder, that, too, would be a mutation. Suppose a cow was born that gave eight per cent butter fat instead of four per cent, that would be a mutation, in fact, it might be one worth perpetuating! Or, suppose a cow was born with long shaggy hair which made it a better animal, in some respects, for a northern climate, that would be another mutation. Now, in a natural state of environment, that is the way that evolution has come about.

These sudden changes, which were selected by the environment where they were useful to the animal to help it to be perpetuated, were really the stepping-stones upward. Some of these changes that are going on around us today are reported frequently, and some are quite dramatic. I think, for instance, it is dramatic when a cow appears in a stock which has never been known to give more than 12000 pounds of milk and begins to produce 18000. That is a mutation. It more than likely breeds true. These mutations are upward and downward. They represent the acquisition of certain ability, and they represent the loss of certain ability or characteristic. Everyone should everlastingly be on the lookout for just such changes in his stock. One never knows when one will appear, and if it is valuable it should be taken advantage of.

Suppose that there is one mutation for every hundred thousand cattle born. That seems like very few, to be sure, but it may be that there are as large a percentage of mutations as that taking place. That means that there is always an opportunity for improvement in our breeds.

It is at times possible to induce mutations by the use of X-rays, but all of these mutations, as far as I know, have been downward in the scale of evolution instead of upward. They all represent some losses which are detrimental to the animal. If only someone could invent a way of causing mutations which would be helpful to the animal and to mankind, what a blessing he might confer upon us.

A Law of Nature

WE all have friends who are constantly reminding us of something they have observed "is a law of nature." One of my friends, whenever he gets up against it for an explanation, falls back upon this statement. He is the most adept person at making up laws of nature I have ever known.

Now, a law of nature is not always easily discovered. But that does not deter many from coining them right and left. With painful thoroughness Mendel worked in his little garden for many years trying his best to discover just one law. This law then led to another, as laws often do. They are like keys which help us to unlock doors further along. But before we can use these keys we often have to possess other keys.

That is why this exposition of heredity and its known laws is best understood by one who holds the keys which opened the doors that went before. You can see that had

The chances are great that the near-kin index of this animal is high, but it does not always prove so with all great producers

Mendel known about the genes and chromosomes he would have been able to arrive at his results much earlier and with much less laborious labor. In the same way, if you and I attempted to understand the mode of inheritance without first learning the basic principle of Mendelism, we would not get very far. It was that discovery that made the rapid strides in the science of genetics possible.

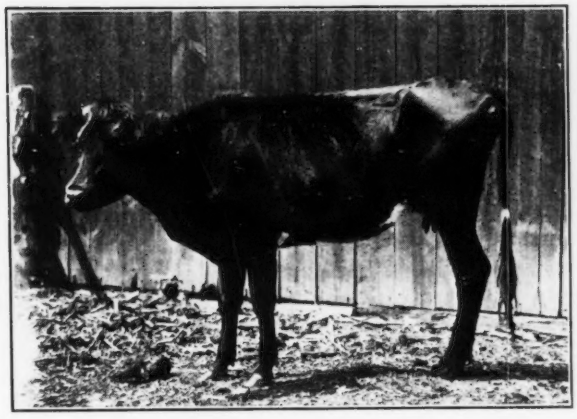
Mendel's law was rediscovered in 1900. Since then most of what we know about genetics has been learned. Soon after the announcement, scientists went to work feverishly and before long they had given us an amazing amount of data. The new discoveriesof Mendelian characters are appearing almost weekly.

Open-Mindedness

BUT where could men get, in making these studies, if they had been trained all of their lives as the average man is trained? The average man has come to have lost almost all openness of mind. He makes his judgments on the basis of what appears to him to be cause and effect. Someone once broke a mirror and had some bad luck following the accident. He concluded that this was the result of having broken the mirror. Millions of people who followed after took up the thought. Somebody else walked under a ladder and had some bad luck. Several days of other mishaps followed and he was able to convince his associates that walking under a ladder brought a fellow bad luck. They handed the nonsense down to us. Somebody else had a dog mated to a mongrel and at the next litter after that one the bitch had some pups that resembled the first sire, so he concluded that the first sire had marked the next sire's pups. My friends, would you believe it, there are people today whom you cannot convince that the first sire did not affect the pups of the second? But those are only mild points, and we shall deal with the last later on.

Sometimes bad luck follows one after walking under a ladder or having a black cat cross one's path, but that does not prove the ladder or the cat had anything to do with it. Such proof is not scientific, but most of the sex theories are based upon such reasoning.

The point I want to make is that open-mindedness pays. Animal breeding has been held back immeasurably by reliance upon outworn theories—old "laws of nature" which were not laws of nature at all. How is a person to be sufficiently receptive mentally if he is superstitious, if he refuses to be willing to look at new ideas, if he will stick to misnomers. What can we do with the fellow who would not eat cabbage when the expert dietician told him he should, because "If I eat it, I might like it, and I hate the stuff"? We cannot do a thing except let him go along in his own headstrong way missing opportunities which might make him much happier and more prosperous.



How has the improvement come about in our cattle? How could our great producers of today have been developed from even smaller producers than this cow?

Theory and Belief

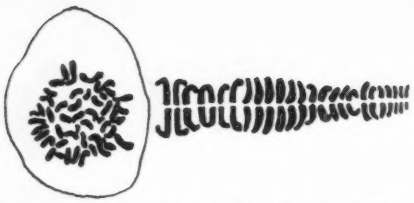
AS I have said repeatedly in the past, the animal breeder must be a bit of a scientist at least. There is a vast difference between the scientific attitude and the legal attitude. The former offers a theory and then proceeds to **test** the theory; the latter states a belief and then proceeds to find all the facts he can to **prove** that belief. These two methods lead to different conclusions. The layman tends to use the method of the lawyer, but he would find more fun in life if he used the method of the scientist. To illustrate: A farmer owned a bull calf. One day a dog got into the pasture where the calf was grazing and chased it, and finally succeeded in biting off the end of its tail. Otherwise it grew to be a good looking bull. But it sired twenty bull calves and no heifers. One night, the farmer was sitting around the big drum stove in the country store. He told his neighbors, between expectorations, that he knew that if you exercised a bull calf, and nearly killed it by such vigorous exercise, that it would do something to effect that calf so it would produce bull calves after it had grown. He had the absolute positive proof. "Had it happen," he says. There is the bull with his tail bitten off to prove it.

This is more or less a logical conclusion, but certainly not scientific. It is the legalistic method, and by its use one can convince many people. But it is dangerous. "Never condemn that which you do not understand" is good logic, but it is only half the story. Go ahead and investigate that which you do not understand. That is the important complement to it.

Now you see, our illustration does two things. It tells us what not to do and it explains a lot of things that were commonly held, and are now no longer believed by well-informed people.

Can You Control Sex?

LET us consider some of these. First the sex theory. I should say theories because in the past there have been several hundred distinct theories put forward telling the layman how to produce sex to



Human chromosomes. There is a similarity in all of the pairs but one, in the male, and the difference in this pair accounts for sex differences

order. I shall mention only a few, despite the fact that in a book I have finished I have two large chapters on this question and even then have only scratched the surface.

The modern sex theory holds that the sexes are different because of the differences in those chromosomes that we considered in the last two issues of the Journal. Every mammal has an even number of chromosomes, each species having its distinct number. I cannot find that anyone has ever studied the number which cattle possess. But the human has twenty-four pair, the horse has thirty pair, the fruit fly has four pair, and the crayfish has 100 pair.

If we could look at the chromosomes under a microscope and sort them out we would see that the different pairs do not look alike. Some would be dots, some like hairpins, and some would be like straight lines. We might label the pairs, A, B, C, D, etc. Now the two chromosomes which constituted the pair we call A would be alike in appearance. In fact, this would hold true of all of the chromosome pairs ***in the case of the female.*** But it would not hold true in the case of the male. There would be one pair of chromosomes that we should find composed of two that were not alike.

These are called the sex chromosomes, and a good deal of what we know about genetics has been determined upon the basis of this information. I have waited this long to explain sex so you would find it easier to understand because you had the key which corresponds to knowledge of the chromosomes. The pair of sex chromosomes in the female are alike, but different in the male.

If we designate each of the female sex chromosomes as X, then the female pair is XX. The male has one of these X chromosomes in his pair but the other is different and we call it Y. So the male pair is XY. Now let us do a little juggling.

Each offspring receives one-half of his chromosomes from each parent. The whole matter is one of chance. Every germ cell or ovum which the mother generates has half the requisite number of chromosomes, that is, one from each pair. Each, therefore, has one X chromosome. But the same is true of the sperm cells. However, in the cell division which produces the sperm, an X chromosome goes into one sperm and a Y into the other, so it is easy to see that half of the sperm cells have the X chromosome and the other half have the Y.

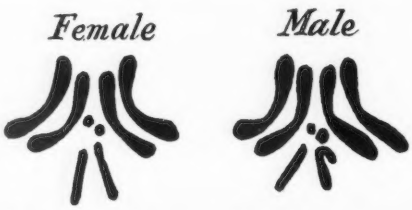
Don't you see, therefore, that it is simply a matter of chance as to which the offspring shall be. If a sperm cell with an X chromosome unites with the ovum, there will be an XX pair of sex chromosomes formed and the offspring will be a female, but if a Y joins with an X, the offspring will be a male.

Our forefathers did not know this. Hence, they elaborated theories to explain sex, some of which make us laugh. The moon, the sun, the season of the year, the wind, the climate the period of the mating season, the ripeness of the sperm and of the ovum, the food eaten, the water drunk, the air breathed, the age of the parents, the number of times mated, the side on which the bull left the cow, the size of the different sides of the body and even maternal impressions, not to mention a great many others, were believed to have influenced the sex of the offspring.

The Sugar Treatment

THE two most famous theories have been the sugar treatment and the castration treatment. A friend of mine paid a doctor $500 to prescribe the diet for his wife so she would have a girl, and she had a boy.

The originator of the sugar treatment apparently believed that girls were sweeter than boys, judging by the fact that he had his women patients eat sugar if they wanted a girl, while if they wanted a boy, they were to eat as though they had diabetes. All who succeeded were ardent boosters of the great doctor. So great did they boost that even dairy farmers got to feeding their cattle on sweet foods in the hope of a higher production of heifer calves. The half who failed were told they had not followed directions carefully enough, and indeed were not allowed to know they constituted as large a proportion as half. So they tried again, and since the chances were even that the next child would be what they wanted, half of the half thus were also convinced. It was great business.



A fruit fly has only four pairs of chromosomes. Most species have different numbers

The Right Side Method

THE other method which was so much heralded was based on the fact that the right side of the body was stronger than the left. The right side was, therefore, where the males came from, because they were stronger than the females (all except mentally) and the left side was where the females came from because the female of the species was weaker than the male (all except mentally). The originator of the theory proved this nicely by taking the right ovary out of a bitch and the right testicle out of a dog, and upon mating them he got only female pups. He did the same with a sow and a boar with similar results.

Then an Englishman contradicted him and got the agreement of the discoverer of this momentous idea that he would withdraw his claims, if the Englishman repeated the experiment with rabbits and got little rabbits of both sexes. The experiment was performed and both sexes were produced, whereupon the inventor backed down and claimed that all the experiment really proved was that his theory did not work in the case of rabbits.

The Time Method of Mating

OF all the 1,900 odd sex theories that have been put forward in the past 2,500 years not one has ever been demonstrated to stand up under test. I will say that there is just a little evidence in regard to one. There is more than enough to make many people stand up and shout that they know how to produce sex to order, but not enough to convince sceptical scientists. This little evidence is in regard to the time method. Whether it holds out hope in the case of cattle I do not know—my impression is that it does not hold as much hope as in the case of other mammals.

It is now coming to be held that there is a difference in size between the male producing sperm and the female producing, the latter being larger. Being larger they can, therefore, live longer in uncongenial environments. That is the starting point. It is a delicate proposition because all the sperm that would be required to start all the cattle in America, if they could

(Please turn to page 28)

The Poltimore Herd Dispersal

Thirty-three Head Average $208.62

By E. Walford-Lloyd

THOSE who really love the Guernsey breed will read with sorrow of the dispersal of the Poltimore herd, the property of the past president of the English Guernsey Cattle Society—Lord Poltimore. For nearly fifteen years Lord and Lady Poltimore have shown the keenest interest in the development of the Court Hall herd of Guernseys and during that time no one has done more to demonstrate the value of the breed for the production of a practical, commercial dairy cow. They were among the first to prove that the Guernsey was by no means the delicate animal which many people supposed it to be, and that treated in the normal way of the average cow it would well hold its own with any of its rivals in the matter of stamina and general well-being; while with regard to the quality and quantity of milk produced it had no equal.

The Court Hall Estate is situated over 800 feet above the sea level and yet the herd lives out of doors the whole year around, only being housed at night during the winter months. The growth, robust appearance and the exceptional milking performances of the cattle are convincing evidence that the breed has only to be treated in a rational manner to prove one of the most valuable of all for the commercial requirements of the average dairyman.

In forming the herd, preference was always given to animals with size and constitution where that could be obtained without sacrifice of quality, it having been found that the big, deep-barrelled cow invariably milked better, bred better and lived longer than the smaller, more lightly built animal. The same principle has been followed in the selection of the young stock occasionally purchased in Guernsey for the Court Hall herd. Heifers have invariably been selected out of deep-framed, heavy milking, handsome cows, which have developed into some of the best milkers in the herd today.

The high standard in the Court Hall herd is, to a large extent, attributable to the influence of that great bull, Queen's Fancy 4913, bred by George de Garis. This bull, after winning the King's Cup on the Island in 1919, was purchased by Lord Poltimore, for whom he afterwards won the championship at the Royal Counties Show. He sired forty-nine Advanced Register daughters and proved to be a great success in the herd. His full value, however, was not apparent until it was found how marvellously his produce "nicked" with the bull that succeeded him. This was Royal of Beaulieu 4922, a first prize winner both in Guernsey and England, by May Boy of Beaulieu out of the 1000 gallon cow, Margaret 2nd of Beaulieu. Many wonderful animals were sired by this bull out of Queen's Fancy cows, including the unbeaten show bull, Royal Fancy, and that exceptional young cow, Poltimore Dewdrop, that made a record butter fat yield of 786.26 pounds when under four years of age.

It is difficult to speak too highly of the animals that comprise the herd. Besides being such exceptional milkers it is doubtful if there is any herd in the country where the characteristics of the true Guernsey have been more highly developed. The sale, therefore, appealed particularly to all breeders seeking animals of the highest class, either for show purposes or as valuable additions to their breeding stock.

A special feature was the high quality of the young stock. Such an attractive lot of heifer calves and yearlings is rarely to be seen in a herd, and several potential prize winners should be found in this section.

Messrs. John Thornton and Company of London conducted the sale, and at the ringside a very large company of well-known breeders assembled, for this was an occasion that could not be lost. A great British auctioneer—to be exact the late John Thornton—held the opinion that while the dispersal of a great herd or flock was the breed's individual loss, yet, at the same time, it was a collective gain, for the wonderful stock contained in such a herd or flock was then distributed among many others and also was used to found fresh flocks or herds. So it may well be with the Poltimore herd of Guernsey cattle.

Tops of the Sale

TOP price of the day was 160 guineas ($614.40) paid by Captain E. C. Long for the rising four year old cow, Violet 5th of Sous La Lande, an imported cow being bred by J. J. Girard of Sous La Lande, Castel, Guernsey. Even at this price this cow was cheap, for her breeding is undeniable. This great cow had given 12365.75 pounds of milk and 541.51 pounds of butter fat, testing 4.38 per cent, in 365 days at two years, 137 days of age in the English Advanced Register. She was sired by Dimple's Boy of Cornus Farm 4985 P. S., A. R., that won the King's Cup in 1926, was first in the bull progeny class at the Royal Guernsey Agricultural Society Shows in 1929 and 1930, and was first in the bull progeny class at the Northern Show in 1931. He has sired seven Advanced Register daughters.

The sire of Dimple's Boy of Cornus Farm was that wonderful bull, May Rose Lad of the Spurs 6153, that won the King's Cup in 1924 and was first and winner of the Blucher Cup in 1925. He was sold for 1,000 guineas ($3,840) and was the sire of thirty-six Advanced Register daughters. Among his progeny was Baugy's Daisy Rose, that gave 12017.25 pounds of milk and 643.92 pounds of butter fat, testing 5.35 per cent, and that great champion bull, Clara's Lad of King's Mills 6020, that was champion at the English Royal Show in 1930.

The dam was Violet of Sous La Lande 21412 P. S. whose sire was that great bull, Bickleigh 3rd 4190 P. S., A. R., that begot twenty-one Advanced Register daughters including Mouse of Marasquet that gave 13522.88 pounds of milk and 723.65 pounds of butter fat, testing 5.35 per cent.

The next highest price was 100 guineas ($384) paid by J. Craig-Harvey of Winchester, Hants, for the imported four and one-half year

(*Please turn to page 49*)

Two South Carolina Sales

South Carolina Consignment Sale Brings An Average of $140.57 and the Coker Pedigreed Seed Company Sale Averages $185.20

NO one expected that the 1932 annual consignment sale of the South Carolina Guernsey Cattle Club, Inc., held at Columbia on May 3, would maintain as high an average as in former years, but the faith of the breeders was justified in the expectation that when the sale was over it would have been proved that well selected pure bred Guernsey cattle would be met by a healthy demand and prices commensurate with values existing under present conditions. The sale average of thirty-five females, averaging two years and three months of age, was $140.57.

An even larger crowd at the ringside than last year, numbering approximately 650, watched the sale through. Bidding was spirited and well distributed, all of which indicated a healthy interest and demand for Guernseys.

V. C. Johnson of Dinsmore, Florida, was the heavy buyer of the sale, taking eight head for $1,000. Colonel T. L. Huston, Brunswick, Georgia, who was a heavy buyer at the 1931 sale, was present again this year taking four of the tops for $935. The rest of the consignment went to buyers within South Carolina, and were well scattered throughout the state. Several of the state buyers were recognized as new breeders starting a foundation herd.

Appin's Bopeep 345671, a particularly nice three year old consigned by C. S. McCall, Bennettsville, South Carolina, topped the sale at $280 going to Colonel T. L. Huston. She is by a son of Upland's General 79094, recently purchased by the Government Experiment Station at Pontiac, South Carolina, and is out of Appin's Foremost Girl 210628, A. R., a granddaughter of Langwater Foremost 39191, A. R.

Speculation was rife prior to the sale as to how the cattle would sell in the face of the present depressed business conditions. After the sale the consignors and observers, after weighing the sale average, the apparent demand, the brisk and diversified bidding and the large and interested attendance at the ringside, and comparing these observations and facts with the movement and sale price of other agricultural commodities, were agreed that the cattle sold well and the consignors were well pleased.

To further bear out these observations by facts, the following study was made which will show the comparison of the sale prices of Guernseys in the South Carolina Consignment Sales for the past several years with the corresponding seasonal prices of other important South Carolina agricultural commodities. The prices of all commodities studied, together with the consignment sale prices, were averaged for the pre-depression years, 1927, 1928 and 1929 to get a base price, 1929 being used because the consignment sale was held before the stock market crash in the fall of that year. All other commodity prices were taken as of April of each year. The above base price is compared with the April prices for 1931 and 1932 and a percentage factor is worked out to show the percentage of the base prices. The table follows:

Commodity	Base Prices Average of '27-'28-'29	1931 Actual prices	1931 Percentage of base	1932 Actual prices	1932 Percentage of base
Wheat	$1.57 per Bu.	$1.14	72.6	$.77	49.
Corn	1.06 " "	.81	76.4	.45	42.4
Oats	.77 " "	.63	81.8	.36	46.7
Cotton	.172 " Lb.	.096	55.8	.061	35.4
Cottonseed	38.46 per ton	24.00	62.4	10.00	26.0
Hogs	9.26 " 100	7.50	81.	4.40	47.5
Beef Cattle	5.96 " "	5.10	85.5	3.60	60.4
Chickens	.242 " Lb.	.187	77.2	.144	59.5
Eggs	.24 " Doz.	.205	85.4	.131	54.5
Butter Fat	.43 " Lb.	.29	67.4	.19	44.2
Pure Bred Guernseys	$272.00 Av.	$225.00	82.7	$140.00	51.4

We were well pleased in 1927, 1928 and 1929 with the prices received for Guernsey cattle. Everyone was enthusiastic and the outlook was bright. Today the outlook is just as bright when we compare the prices received with our other chief money crops—and that is a fair way to appraise the value of Guernsey cattle. In the South, cotton is the major crop—almost to the exclusion of others. Yet, Guernseys have held up much better than cotton and its products. In April cotton was selling for 35.4 per cent of the 1927, 1928 and 1929 average April price, cottonseed for 26.0 per cent, while Guernseys sold for 51.4 per cent of that base price.

If we take a simple average of the percentage of the base price as figured here, the percentage of the base on all other products listed above is 46.56, while that of Guernseys is 51.0 per cent. With these facts before us there seems little room for doubting the stability of the Guernsey.

Colonel Walter F. Andrews, who has cried the South Carolina sales for several years, was again in the box this year and handled the sale in his usual inimitable manner. He was assisted in the box by H. C. Bates, southern field representative of The American Guernsey Cattle Club, and in the ring by Messrs. Alvin Lawhon, of the Southern Railway Agricultural Development Service, and V. W. Lewis, of the Atlantic Coast Line Railway Agricultural Service. Albert James of Darlington was sale manager.

Following is the sale list:

R. B. Caldwell, Chester, South Carolina
- Tat of Hickory Ridge 323196 — $135

Coker Pedigreed Seed Company, Hartsville, South Carolina
- Radiant Dawn 339563 — 155

Joe Culbertson, Moncks Corner, South Carolina
- Beauty's Foremost Sequel — 185

J. Frank Folk, Bamberg, South Carolina
- Margaret of Clover Farm 333567 — 90
- Miller's Laxey 320130 — 135
- Beatrice of Pine Ridge 328300 — 125

J. M. Frazier, Chester, South Carolina
- Violet of Edisto Farms 319990 — 130
- Gold Raiser's Maid 331608 — 120

A. C. Gramling, Orangeburg, South Carolina
Annett of Erinvine 359587 85
W. P. Gramling, Orangeburg, South Carolina
Florentine Majestic Beatrice 342266 100
T. L. Huston, Brunswick, Georgia
Elm Grove Lad's Dewdrop 283395 230
Appin's Bopeep 345671 280
Florentine Majestic Lyda 328301 200
Sentry's Nellie of Mirador 186373 225
V. C. Johnson, Dinsmore, Florida
Raider's Glory 317434 135
Sequel Boy's Governess 246368 125
Rivelon Buttercup 337733 265
Sterling's Moss Rose 356306 115
Florentine Majestic Dorothy 357101 95
May Belle of Verdery Farm 336438 85
Violet of Verdery Farm 334972 105
Gold Raiser's Beauty 347889 75
Wylie C. King, Bishopville, South Carolina
New Delta's Queen 333682 90
Margerite Lemmon, Winnsboro, South Carolina
Ruth's Dot of Rock Springs 355165 85
Boyce Nichols, Great Falls, South Carolina
Hazelwood's Betsey 268054 135
J. B. Roddey, Columbia, South Carolina
Appin's Della 170
C. R. Smith, Timmonsville, South Carolina
Elm Grove Lad's Butter Girl 318961 140
Hoffmeyer's Janie 287468 175
Pretor's Mildred 279648 125
Sir Peter's Governess 353737 120
John H. Spencer, Greenville, South Carolina
Oakhurst Hopeful 130
Periwinkle of Clover Farm 317778 160
J. F. Stackley 2nd, Florence, South Carolina
Gay's Golden May King 288491 95
Weigelia of Clover Farm 226955 170
Watershed's Uznaga 325331 130

Coker Pedigreed Seed Company Sale

THE Coker Pedigreed Seed Company of Hartsville, South Carolina, pioneer seed and Guernsey breeders of the South, held its first annual Guernsey sale at the farm on May 4, the day following the South Carolina Consignment Sale. Twenty-one females and four males sold for an average of $185.20. This company has an enviable reputation throughout the South as breeders of pedigreed seed with which it gets south-wide distribution. Established primarily as a seed breeding farm, David R. Coker, president of the company, and for whom it takes its name, seeing the paramount need for diversification of southern crops around a foundation of livestock, added a Guernsey breeding unit to the company's large breeding interests. Steadily the herd has been built along careful breeding lines until today it stands among the leading breeding herds of the South.

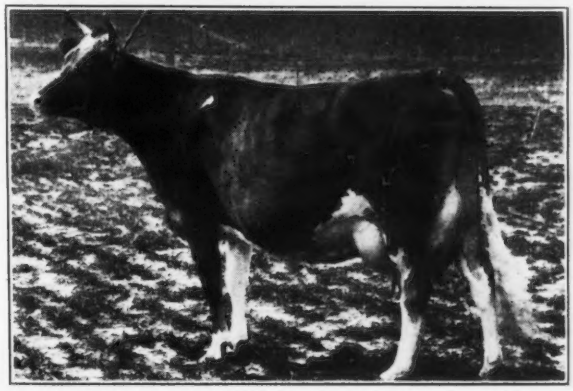
This sale was the first ever put on by the company and was made up of selected individuals of well balanced ages from the herd which has now become quite large.

Ten of the animals in the sale carried twenty-five per cent of the blood of the great cow, Cavalier's Sunbeam of Clover Farm 205007, A. R., with four Advanced Register records as follows: 9413.0 pounds of milk and 517.1 pounds of butter fat in class G, 10300.5 pounds of milk and 596.7 pounds of butter fat in class E, 13372.2 pounds of milk and 773.0 pounds of butter fat in class B, and 12710.0 pounds of milk and 728.2 pounds of butter fat in class A. This cow is a daughter of that great breeding bull, Grape Lawn Cavalier 64416, A. R., with eighteen Advanced Register daughters, and a half-brother to Amelia's Rose Gold of Ophir 80460, A. R., with eighteen Advanced Register daughters and which was sold for $6,000. Both of these bulls, which were used extensively on the Coker Pedigreed Seed Company Farms, were by Grape Lawn May King 45483, A. R., that has seventeen Advanced Register daughters and is a son of Langwater Cavalier 21012. It is on the blood of this bull that the breeding operations at this farm have been founded.

Golden Guernsey milk and sandwiches were served the large crowd before the sale. Colonel Walter F. Andrews, who auctioned the South Carolina sale, handled the Coker sale assisted in the box by Ralph W. Coarsey of the Clemson College Extension Service, with Messrs. H. C. Bates, southern field representative of The American Guernsey Cattle Club, Alvin Lawhon of the Southern Railway Agricultural Development Service, and V. W. Lewis of the Atlantic Coast Line Agricultural Development Service, in the ring.

Following is a list of buyers and prices paid:

F. B. Avery, Moncks Corner, South Carolina
Coker Golden Elaine 326718 $165
S. J. Blackmon, Kershaw, South Carolina
Coker Princess Lassie 253380 255
C. F. Clyburn, Kershaw, South Carolina
Coker Golden Sweetbriar 171832 300
E. M. Coughman, Lexington, South Carolina
Coker Virginia Sunshine 349370 125
M. C. Crouch, Hartsville, South Carolina
Coker Virginia Lassie 339925 290
N. P. Getty, Lugoff, South Carolina
Coker Zada Radiant 197946 (Bull) 200
John Blue, Laurinburg, North Carolina
Lady Diana of Clover Farm 217772 295
V. C. Johnson, Dinsmore, Florida
Coker Gay Radiant 178616 (Bull) 160
B. S. Josey, Lydia, South Carolina
Coker Silver Radiance 352800 150
Coker Gay Daisy 347386 145
John B. Kneece, Chesterfield, South Carolina
Hazelwood's Clara 210211 260
L. J. McDonald, Hartsville, South Carolina
Marymede's Golden Loretta 329670 150
L. M. McMillan, Mullins, South Carolina
Radiant's Patrica 313721 130
Coker Cavalier's Emblem 316859 140
Coker Pretoria 295175 200
A. P. Patrick, Newberry, South Carolina
Coker Proud Diana 352801 115
E. P. Pearce, Hamlet, South Carolina
Coker Dimpled Radiant 197022 (Bull) 70
C. R. Segars, Hartsville, South Carolina
Mozingo's Primrose 336811 125
R. E. Sowell, Hartsville, South Carolina
Mozingo's Ultra Maid 218492 215
B. C. Stackley, Florence, South Carolina
Coker Radiant Millmount 339927 145
J. F. Stackley, Florence, South Carolina
Coker Eastern Sunbeam 343157 135
W. E. Verdery and Son, Orangeburg, South Carolina
Coker Cavalier's Grape 307291 375
W. C. Whitner, Rock Hill, South Carolina
Coker Sundrops 347384 235
J. F. Williams, Sumpter, South Carolina
Coker Silver Sun 195947 (Bull) 65
Q. Alex Williford, Kershaw, South Carolina
Coker Gloria Moon 309435 185



Cavalier's Sunbeam of Clover Farm 205007. Ten of the animals in the Coker Pedigreed Seed Company Sale carried twenty-five per cent of the blood of this great cow

Editorial Comment....

National Trademark News

In this issue we have begun a service to the users of the trademark. News of the activities of selling milk under the National Label will be given once a month under the heading "National Trademark News." Suggestions given will be, on the whole, for those who have signed up under the trademark.

Vitamin D Milk

In a recent issue of the Dairy Council Bi-monthly News, Baltimore, Maryland, vitamin D milk was considered. This is something that Guernsey breeders are interested in and we give their synopsis of recent accomplishments as follows: "With wide-spread publicity on vitamin D confections and vitamin D breads and cereals there comes the inevitable question, 'What about vitamin D milk?'

"This is answered in part in the following excerpts from an article by Dr. James A. Tobey, in the April issue of 'Practical Home Economics,' on recent feeding experiments. 'Several herds of cows were fed vitamin D in the form of dry yeast as part of their daily ration. The milk from these cows was first fed to laboratory animals at Columbia University, under the direction of Dr. H. C. Sherman. After proving that it protected these animals against rickets, the milk from the yeast fed cows was then submitted to more rigorous clinical investigation. Under the direction of Dr. Alfred F. Hess, 100 babies, in groups of twenty-five, were fed this vitamin D milk along with the usual infant diet. Before the experiment was begun, a careful examination of the children showed that thirteen had rickets and thirty-six more showed some outward manifestation of the disease. The result was that the milk not only prevented rickets but was able to effect a cure in cases where a test of this kind was undertaken. In addition, the infants thrived well and gained normally in weight. A similar test with similar results was conducted in Boston by Dr. E. T. Wyman at the Infants' and Children's Hospital.'

" 'The outstanding advantage,' says Dr. Tobey of the vitamin D milk, 'is the fact that it permits of the control of rickets on a community scale. Each quart of this milk contained as much vitamin D as three teaspoons of cod liver oil and, in addition, the children received calcium and phosphorous which are essential to proper bone development and also an abundance of the essential vitamins A and G.' "

SALES AND MEETINGS

Aug. 3. Annual summer field day of the Indiana Guernsey Breeders' Association to be held at the Model Farm of the Indiana Condensed Milk Company, Sheridan, Indiana.

Aug. 3. Annual summer meeting of the Virginia State Guernsey Breeders' Association at Mirador Farm, owned by Ronald A. Tree, Greenwood, Virginia.

Sept. 2-3. Eastern Shore Field Day, Queenstown, Maryland.

Sept. 5. Klondike Farm Sale, Elkin, North Carolina.

Sept. 6. Guilford County Guernsey Breeders' Association second annual sale, Greensboro, North Carolina.

May 13, 1933. Foremost Guernsey Sale at Emmadine Farm, Hopewell Junction, New York.

FAIRS AND EXPOSITIONS

July 4-9. Northwest Fair, Minot, North Dakota. Guernseys will be judged on July 5 by Victor Sander, Fargo, North Dakota.

July 18-23. North Dakota State Fair, Grand Forks, North Dakota. Frank B. Astroth, St. Paul, Minnesota, will judge Guernseys on July 19.

Aug. 8-13. Burlington Tri-State Fair, Burlington, Iowa. C. Y. Cannon, Ames, Iowa, will judge Guernseys on August 9.

Aug. 14-19. Kankakee Inter-State Fair, Kankakee, Illinois.

Aug. 14-20. Mississippi Valley Fair and Exposition, Davenport, Iowa. Guernseys will be judged on August 17 by Floyd Johnston, Ames, Iowa.

Aug. 20-27. Illinois State Fair, Springfield, Illinois. Professor W. W. Yapp, Urbana, Illinois, will judge Guernseys on August 24.

Aug. 20-27. Missouri State Fair, Sedalia, Missouri.

Aug. 22-27. Upper Peninsula State Fair, Escanaba, Michigan. Guernseys will be judged by Professor S. M. Salisbury, Columbus, Ohio, on August 23.

Aug. 23-27. Genesee County Fair, Batavia, New York. Guernseys will be judged on August 24 and 25.

Aug. 24-Sept. 2. Iowa State Fair, Des Moines, Iowa. Earl Weaver, Stillwater, Oklahoma, will judge Guernseys on August 31 and September 1.

Aug. 28-Sept. 2. Wisconsin State Fair, Milwaukee, Wisconsin. Guernseys will be judged on September 1 by C. S. Rhode, Urbana, Illinois.

Aug. 29-Sept. 3. Ohio State Fair, Columbus, Ohio. Professor S. M. Salisbury, Columbus, Ohio, will judge Guernseys on August 31.

Sept. 3-9. Nebraska State Fair and Exposition, Lincoln, Nebraska. M. L. Flack, Lincoln, Nebraska, will judge Guernseys on September 6 at 8:30 a. m.

Sept. 3-9. Indiana State Fair, Indianapolis, Indiana. Guernseys will be judged on September 7 by L. S. Gillette, Fostoria, Iowa.

Sept. 3-10. California State Fair, Sacramento, California. Guernseys will be judged on September 7 by J. B. Fitch, Manhattan, Kansas.

Sept. 3-10. Minnesota State Fair, St. Paul, Minnesota. Professor C. S. Rhode, Urbana, Illinois, will judge Guernseys.

Sept. 4-10. Michigan State Fair and Exposition, Detroit, Michigan. Guernseys will be judged on September 7 by Professor S. M. Salisbury, Columbus, Ohio.

Sept. 5-9. Midland Empire Fair, Billings, Montana. J. R. Dice, Fargo, North Dakota, will judge Guernseys on September 5.

Sept. 5-10. Trenton Inter-State Fair, Trenton, New Jersey. Guernseys will be judged by J. L. and Harold Hope, Madison, New Jersey, on September 7.

Sept. 5-10. Maryland State Fair, Baltimore, Maryland.

Sept. 5-10. New York State Fair, Syracuse, New York. R. G. Harwood, Southboro, Massachusetts, will judge Guernseys on September 7 and 8.

Sept. 12-16. Colorado State Fair, Pueblo, Colorado. Guernseys will be judged by Professor George E. Morton, Fort Collins, Colorado, on September 13.

Sept. 12-16. South Dakota State Fair, Huron, South Dakota. Axel Hansen, Minneapolis, Minnesota, will judge Guernseys on September 13.

Sept. 12-17. Kansas Free Fair, Topeka, Kansas. Guernseys will be judged on September 14 by M. J. Regan, Columbia, Missouri.

Sept. 12-17. Washington State Fair, Yakima, Washington. Guernseys will be judged on September 13 probably by George Buckley, Seattle, Washington.

Sept. 13-16. Wyoming State Fair, Douglas, Wyoming. Guernseys will be judged on September 13 by Harry Smith, Logan, Utah.

Sept. 17-24. Tulsa State Fair, Tulsa, Oklahoma. Guernseys will be judged on September 21 by J. W. Ridgeway, Fort Worth, Texas.

Sept. 17-24. Kansas State Fair, Hutchinson, Kansas.

Sept. 18-24. Eastern States Exposition, Springfield, Massachusetts. W. K. Hepburn, Anselma, Pennsylvania, will judge Guernseys on September 19 at one p. m.

Sept. 19-25. Western Washington Fair, Puyallup, Washington.

Sept. 20-23. La Crosse Inter-State Fair, La Crosse, Wisconsin. Guernseys will be judged on September 21.

Sept. 20-24. Clay County Fair, Spencer, Iowa. Guernseys will be judged on September 21 by Axel Hansen, Minneapolis, Minnesota.

Sept. 20-24. The Great Allentown Fair, Allentown, Pennsylvania. Guernseys will be judged on September 20.

Sept. 24-Oct. 1. Oklahoma State Fair and Exposition, Oklahoma City, Oklahoma. Guernseys will be judged on September 26.

Sept. 25-Oct. 1. Mid-South Fair, Memphis, Tennessee. Guernseys will be judged on September 28.

Sept. 26-Oct. 1. Oregon State Fair, Salem, Oregon. J. C. Knott, Pullman, Washington, will judge Guernseys on September 28.

Sept. 26-Oct. 1. East Tennessee Division Fair, Knoxville, Tennessee.

Sept. 28. Bryn Mawr Guernsey Show, Bryn Mawr, Pennsylvania. Guy E. Harmon, Salisbury, Maryland, will be the judge.

Sept. 30. Piedmont, Virginia, Dairy Festival, Manassas, Virginia.

Oct. 1. New Jersey Guernsey Breeders' Association, Incorporated, Guernsey Cattle Show, Far Hills Fair Grounds, Far Hills, New Jersey.

Oct. 1-8. Utah State Fair, Salt Lake City, Utah. Guernseys will be judged on October 3.

Oct. 3-8. Danbury, Connecticut, Fair. Guernseys will be judged on October 5 by E. G. Woodward, Taconic, Connecticut.

Oct. 3-8. Virginia State Fair, Richmond, Virginia.

Oct. 3-9. Dairy Cattle Congress, Waterloo, Iowa. Guernseys will be judged on October 4 and 5 by George M. Newlin, Fond du Lac, Wisconsin.

Oct. 4-8. Mississippi-Alabama Fair, Tupelo, Mississippi.

Oct. 8. Sixth Annual Sewickley Guernsey Cattle Club Show, at the Allegheny Country Club Show Grounds, Sewickley Heights, Pennsylvania. W. K. Hepburn, Anselma, Pennsylvania, will judge.

Oct. 8-23. The State Fair of Texas, Dallas, Texas. Professor Charles N. Shepardson, College Station, Texas, will judge Guernseys on October 18.

Oct. 17-22. South Carolina State Fair, Columbia, South Carolina. Guernseys will be judged on October 18.

Oct. 22-29. Pacific International Livestock Exposition, Portland, Oregon.

Oct. 22-30. State Fair of Louisiana, Shreveport, Louisiana. Guernseys will be judged by C. H. Staples, Baton Rouge, Louisiana.

Oct. 29-Nov. 4. Ak-Sar-Ben Stock Show, Omaha, Nebraska. Guernseys will be judged on November 1.

Nov. 5-11. Pacific Slope Dairy Show, Oakland, California. Guernseys will be judged by D. L. Fourt, Moscow, Idaho, on November 8.

Nov. 9-12. Kansas National Live Stock Show, Wichita, Kansas.

Nov. 12-19. American Royal Live Stock and Horse Show, Kansas City, Missouri. Guernseys will be judged on November 18.

Nov. 26-Dec. 3. International Live Stock Exposition, Chicago, Illinois.

CANADIAN FAIRS

July 11-16. Calgary Exhibiton and Stampede, Calgary, Alberta, Canada There will be no Guernsey classification this year.

July 25-30. Saskatoon Industrial Exhibition, Saskatoon, Saskatchewan. F. F. Clausing will judge Guernseys on July 26 and 27.

Aug. 22-27. Central Canada Exhibition, Ottawa, Canada. Guernseys will have no classification at this year's fair.

Aug. 26-Sept. 10. Canadian National Exhibition, Toronto, Ontario, Canada. Guernseys will be judged by Professor J. C. Steckley, Guelph, Ontario, on September 1.

Aug. 28-Sept. 2. Canada's Great Eastern Exhibition, Sherbrooke, Quebec.

Aug. 29-Sept. 5. Canada Pacific Exhibition, Vancouver, British Columbia. Guernseys will be judged on August 31 by F. C. Borehaven, Eburne, British Columbia.

Sept. 12-17. Western Fair, London, Ontario, Canada. There will be no classification for Guernseys.

Oklahoma Field Day

THE second annual field day of the Oklahoma Guernsey Breeders' Association was held at Primrose Farm, Ardmore, on May 7. In spite of the fact that on the night of May 6 a provident weather-man dropped more or less of two inches of rainfall on a considerable proportion of a very dry, but thankful Oklahoma, and thereby caused some embarrassment in road conditions, the attendance proved most satisfactory and certainly very interested. The register, which each guest was asked to sign, indicated an attendance of over 150. The distribution of this attendance was very representative and included not only breeders from a wide distribution in Oklahoma, but also a splendid representation of about twenty breeders from Texas. The register showed seven Oklahoma county agents, besides one who signed as a cow tester, another as a Smith-Hughes teacher, and another as a 4-H judging team coach. Twenty-three boys signed the register as calf club members, and a total of forty participated in the junior judging contest. One team of junior judges, accompanied by their county agent, W. B. Forrester, drove more than 200 miles from Altus, county seat in the next to the southwest corner county in the state. Other breeders came from points nearly as far away, north of Oklahoma City, while one of the most welcomed guests at the field day was A. W. Hansen, manager of the Santa Fe Dairy, Temple, Texas, who came two hundred and thirty-two miles. According to Manager Hansen, Golden Guernsey milk from his seventy or more brown-eyed bossies is bottled at Temple and served at all the Harvey Houses in Texas and two in New Mexico.

The setting for the field day was beautiful. Primrose Farm, of which Mort Woods is the lessee, and his brother-in-law, Perry Maxwell, the owner, is beautifully located in the Dornic Hills adjoining above and overlooking the Dornic Hills Country Club, beyond which, and to the north, stretches out a view of almost the entire length of the Arbuckle Mountains.

A tent was provided as headquarters on the lawn overlooking this vista. The morning program provided for an inspection of the herd and a judging contest for both juniors and adults. A four page program was furnished each guest as they registered which gave the events of the day, brief pedigrees of the three sires, and the following page about Guernseys:

"Do You Know?

"That because of its Golden Color, Fine Flavor and High Food Value that Guernsey Milk is in demand and commands a higher price than ordinary milk—generally from three to eight cents per quart.

"That to fix this ability in the cow to produce this kind of milk is the results of hundreds of years of selection and constructive breeding on Guernsey Island.

"That the popularity of the breed in America has steadily grown since the first cow landed in America over a hundred years ago.

"That the Guernsey Capitol of the Southwest is Ardmore, Oklahoma.

"That Texas, Arkansas, New Mexico and Kansas have an ever increasing number of persons interested in and keeping Guernseys, both registered and grade.

"That Oklahoma has over 100 persons owning at least one registered Guernsey, and many more owning grades.

"That the Oklahoma Guernsey Breeders' Association is past two years old—alive and kicking—and proposes a better spirit and cooperation among these men and women in order that the Guernsey business may prosper to the end that those owning cattle may find higher standards in life."—Tom Cooper, president, Oklahoma City; E. K. Gaylord, vice-president, Oklahoma City, and Mort Woods, Secretary-treasurer, Ardmore.

The Herd at Primrose Farm

BECAUSE the rain had made the near by pastures soft, the herd was displayed in the barn. Each animal had a label glued on the rump which gave a key to the breeding of that animal. "F" meant a foundation animal. "PF" meant a foundation animal bred on Primrose Farm. "J" indicated the progeny of Langwater General Jacqueminot 72726, A. R. "H" indicated the progeny of Horatius of Houston 98456. "JC" indicated the progeny of Charity's Foremost 179869, while "JG" indicated grand progeny of Langwater General Jacqueminot 72726.

The "PF" group numbered seven, of which Wishful's Ardmorite 99528 is probably a good example. She has three Advanced Register records—421.0 pounds of butter fat in class G, 684.0 pounds of butter fat at ten years of age, and 563.7 pounds at twelve years of age in class AA. The "Jack" progeny numbered sixty-eight or sixty-nine registered daughters. Sixteen of these have Advanced Register records that average 524.0 pounds of butter fat, all immature but three, and all but two made at Primrose Farm. Langwater General Jacqueminot 72726, now eleven years old, is the son of Langwater Valiant 51868 that Mort Woods bought as a calf in the National Sale. His dam made 10713.3 pounds of milk and 541.8 pounds of butter fat as a two year old and is the daughter of Valentine's Honour of the Passee 3748 P. S. "Jack" is the bull that has made the Primrose Farm herd, not only because of the production of his daughters but also because of their type. For years the show herd from Primrose Farm at both major and minor fairs throughout the Southwest, plus the persuasive personality of Mort Woods, has been one of the most powerful factors in helping the Guernsey breed to get established in this section.

Horatius of Houston 98456 was a son of Langwater Horatius 63071 and out of a daughter of Sailor Boy's Honour 4316 P. S., that has a two year old record of 12466.8 pounds of milk and 558.9 pounds of butter fat. Of similar blood lines to the senior sire, he was used mainly on the daughters of "Jack." This bull unfortunately died in November, 1931. The "H" daughters in the herd numbered eight, which include three that are on test as first calf heifers and a couple of the best young show prospects.

The present junior sire is Charity's Foremost 179869 that Mr. Woods has leased from Emmadine Farm until June, 1933. His sire is Foremost's Superb 130291, a son of Langwater Foremost 39191 and Golden Windflower 155557 that has a record of 14579.4 pounds of milk and 687.3 pounds of butter fat made as a four year old. The dam of this young bull is that great daughter of Langwater Valor 79775 in the Emmadine herd, Valor's Charity 187201, whose four consecutive rec-

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NATIONAL TRADEMARK NEWS

Golden GUERNSEY — America's Table MILK

A Department devoted to those who Produce and Sell Milk under the National Label

Puzzles for the Kiddies

CHRISTMAS is coming and this year every kiddy can get at least one good present, providing, of course, the local milk distributor furnishes them with one of the T. M. puzzles.

The crossword puzzle has given way to the good old fashioned picture puzzle which is all the go right now. Even libraries are loaning them and you stop in for a book and a puzzle. Mother, Dad, and, in fact, the entire family works on it. The twenty piece Golden Guernsey puzzle is a picture of a Guernsey cow in natural colors with the dealer's name, a copy of the trademark and a verse—"The Guernsey cow, all fawn and white, gives Golden milk to keep you right."

The puzzles are lower in cost than calendars and there need be no fear of consumer acceptance. Even the childless parents will take pleasure in presenting a puzzle to some child in another family. Approximately 200,000 will be distributed on Christmas Day. Figuring five children to a puzzle means that 1,000,000 children will recognize a Guernsey cow the next time they see one and the same 1,000,000 will learn that there is something behind the bottle besides the milkman.

N. E. Starts T. M. Barrage

JAMES E. Harper, secretary of the Massachusetts Guernsey Breeders' Association, is busy signing up T. M. contracts in New England. Some of the recent ones include: Noble's Milk, Inc., Somerville, Massachusetts; Harley Sheldon, Hinsdale, New Hampshire; Annabel C. Secombe, Milford, New Hampshire; A. G. Galusha and Sons, Williamstown, Massachusetts; F. B. Hall, Holliston, Massachusetts; Greyholme Farm, Greenwich, Rhode Island, and I. A. Hall, South Portland, Maine.

Harper has six states and tries, with the help of a Studebaker President, to be in all six states at the same time.

Julia and Jane in September Good Housekeeping

JULIA and Jane, Gloria, Hortense, Alice and Clara, all distinguished Guernsey cows, will begin their parade before the 1,800,000 subscribers of the Good Housekeeping Magazine starting with the September issue. To these cows is entrusted the job of telling the American housewife about Golden Guernsey, America's Table Milk, and to look for the T. M. on the cap.

It's a good story well told. They have the honor of introducing the only milk, other than canned, which is nationally advertised. Distributors are planning to tie-in with local newspaper advertising bottle collars, and last but not least Julia and Jane will be seen visiting important personages in many cities.

Educating Driver Salesmen

THE driver-salesman is, without question, the most important link in the chain when it comes to obtaining new Guernsey business. "Fuller Pocketbooks from Fuller Routes" is the title of a series of six pamphlets aimed to tell drivers how to add new customers.

"What About Golden Guernsey Milk?" This lists the facts which explain the superior quality of Golden Guernsey milk to the customer. "Who are your Prospects for Golden Guernsey Milk?" This lists some real worth while suggestions as to where to solicit new customers. "How Good a Salesman are You?" This list includes personal hints for better selling. "How Would You Sell Golden Guernsey Milk?" This pamphlet gives direct suggestions to use in soliciting new customers. "Typical Objections and How to Meet Them." This lists objections most commonly raised by housewives and how they can best be answered. "Are You Selling the Institutional Market?"—there is an opportunity for large volume business in the institutional field. This pamphlet tells where it is and how to get it.

The series of pamphlets, which will be added to from time to time, is available free to T. M. (trademark) users.

Bean Zup.

"WILL you eat chicken or beans?" That was the question Arthur Telfer put up at a meeting of the drivers employed by a large milk distributor in Indianapolis. "If you would eat chicken you will have to show a big increase in your Guernsey business, otherwise you will have to eat out of the beanpot." Needless to say, during the month of the contest there was plenty of joking around the salesmen's room as to who would eat the beans.

At the appointed time all the drivers were taken out to the Indiana Condensed Milk Company Farm for a royal banquet. The bean eaters were served in a bull pen so that they could not get at the chicken. "Sure, we had lots of fun," reports Telfer, "and also 400 quarts of new Guernsey business."

Virginia Dairy Company Under T. M.

SELLING 1,500 quarts of Golden Guernsey milk daily, the Virginia Dairy Company of Richmond, Virginia, swung in recently as one of the leading distributors of Golden Guernsey milk under the trademark. Frank F. Rennie, Jr., is manager of the corporation.

The Virginia Dairy Company is exceptionally successful in selling Golden Guernsey and broadcasts its merits over station WRVA.

For Information on the Use of the National Trademark write to the Milk Marketing Division The American Guernsey Cattle Club Peterboro, N. H.

The Great Ghost--"Conversion Factors"

By Dragging The Ghost Into The Daylight It May Vanish

By V. A. Rice, *Massachusetts State College*

We are hearing a great deal at present about proved bulls, and a goodly part of what we hear is of a favorable nature. The very term proved bull, on the other hand, is anathema to some breeders who say that proved bulls are all the "bunk," that you can never foretell how a bull will transmit, etc.

In their minds breeding is simply an art and will always remain so. Nevertheless, abundant evidence is at hand to indicate just what we would expect, namely, that in the field of breeding, as in all others, nature works in an orderly fashion, and in accordance with some very definite and immutable laws or rules. Our real job as breeders should be to learn the rules of the game of breeding as nature plays it, not to deny that there are any rules nor yet to try to set up rules of our own. Fortunately, the average breeder is becoming aware that immutable laws do exist, and further, that he can learn what they are and profit thereby.

Breeding was thwarted by ignorance for many centuries and now knowledge is being throttled in some sectors by stubbornness and an outworn empiricism. Truth, however, has a happy way of prevailing in the end so that we can look forward with confidence to the day when practically all livestock men will know and utilize the underlying principles of breeding for the creation of ever more beautiful and efficient animal forms.

Now a proved bull is simply a bull about which ***enough*** is known so that if we know the production records of the cows to which he is to be bred the production of their daughters can be fairly accurately foretold. The key word in this definition is the little word ***enough.*** What is enough? Why just this, the records on the first ten of the sire's daughters and their dams. Now that should not be hard to get and when we will get it as early as possible on all breeding bulls we will be on the highway to a more prosperous and a more satisfying dairy business.

TABLE I.
CONVERSION FACTORS BASED ON ADVANCED REGISTER AND REGISTER OF MERIT REQUIREMENTS

Age Classification	Single Letter Requirement		Conversion Factor		Mature Equivalent
5 yrs.	400	x	1.00	=	400
4½ yrs.	381.7	x	1.047	=	400
4 yrs.	363.4	x	1.100	=	400
3½ yrs.	345.2	x	1.159	=	400
3 yrs.	327.0	x	1.223	=	400
2½ yrs.	308.7	x	1.295	=	400
2 yrs.	290.5	x	1.376	=	400

Conversion Factors

There are many ghosts lurking along this highway to better dairying. Ghosts of disproved superstitions and ghosts of timidity for the future. One of the most persistent and insidious of the latter being none other than our old friend, conversion factors. It is the writers intention to try to drag this ghost out into the clear daylight in the hopes that like most ghosts so treated it will vanish into nothingness.

We need facts, not opinions, about bulls' transmitting abilities, and the only way in which we can make many of these facts intelligible is by getting the records of dams and daughters onto a comparable basis. One means of doing this is by the use of conversion factors. But, some say, this is unfair, unjust, the conversion factors are no good, though the critics are seldom any more definite in their criticisms than this. Let us examine this situation a little more closely because we will never make any real progress in breeding better cattle until we get ***facts*** and the ***facts*** are no good until we put them all on a ***comparable*** basis. In plain words, the intelligent use of age conversion factors would seem to be essential to even a start along the difficult road to breeding success.

With few exceptions Guernsey breeders are of the opinion that it is unjust to compare records made by two year old heifers with records made by mature cows. Anyone who knows anything about a cow knows that she just naturally will produce a little more milk and butter fat each year until she reaches the age of five to eight years. The Advanced Register requirements of our dairy breeds also take cognizance of this fact and stipulate that a cow ***must*** produce .1 of a pound more of butter fat for each day she exceeds two years of age up to five years in order to gain admittance into the select circles of Advanced Register or Register of Merit cows. In other words, while some breed associations ***do not*** officially recognize age conversion factors they all very naturally make use of them in their testing work. "How come?" you ask. Why in this way; the requirement for admission to the Advanced Register or Register of Merit as a two year old (no calving requirement) is 290.5 pounds of butter fat, while the same animal as a mature cow ***must*** produce 400 pounds of butter fat (.1 of a pound more per day after two years and up to five years). In other

TABLE II.
CONVERSION FACTORS BASED ON GUERNSEY RECORDS

Age Classification	Single Letter Av. Lbs. Butter Fat		Conversion Factor		Mature Equivalent
A	559.5	x	1.000	=	559.5
B	543.3	x	1.029	=	559.5
C	523.7	x	1.068	=	559.5
D	508.5	x	1.100	=	559.5
E	481.1	x	1.162	=	559.5
F	468.5	x	1.194	=	559.5
G	447.7	x	1.249	=	559.5

words, the breeds say, in effect, that if this two year old makes 290.5 she is capable of making 400 pounds as a five year old cow. The conversion factor here (of course not printed nor recognized as such by the breeds) is 1.376. In other words, 290.5 multiplied by 1.376 is equal to 400. We see, therefore, that the breeds rightfully recognize the influence of immaturity in limiting production.

It is, no doubt, a fact that some heifers that make 400 pounds of butter fat as two year olds never under the heavens could make 500 pounds as mature cows, which is the figure the conversion factor would assign to them. The temptation arises, therefore, to say that the conversion factors are no good. Now we are willing to grant that some heifers that make 400 pounds at two years cannot make 500 pounds as mature cows, but we still maintain that it is not the fault of the conversion factors. If they cannot come up to conversion expectations as five year olds it is due to one or both of two things; either they are not average and normal two year old heifers or else they were pushed to too high production as two year olds, something which under good management is not allowed to occur. Their failure to meet expectations can under no circumstances, however, be laid at the door of conversion factors.

Now it is possible that in daughter-dam record comparisons, necessary for proving bulls, some cases might be found where a bull was given an advantage because his daughters' forced, immature records were stepped up, by use of the generally accepted conversion factors, to too high a level, a level which these heifers could not reach as five year old cows. The converse of this might also be found on occasion whereby a bull had been unjustly discriminated against. Since, however, generally speaking, a bull's daughters and their dams are tested in the same herd and under the same management, there is really little to be worried over on this score. The management in the herd some times changes, a better or worse feeder may hold the job of feeding the cows and their daughters, weather and feed conditions may, and generally do, vary from year to year, etc. etc., ad infinitum. Of course if we are too timid to attempt to do anything toward proving bulls until all environmental and managerial conditions can be made similar in every herd in the United States, then we can make up our minds that we never will do anything about it at all.

TABLE III.
HOW CONVERSION FACTORS WORK OUT IN PRACTICE

Bull Number	Dams' records Multiplied on the Average by	Daughters' records Multiplied on the Average by
1	1.16	1.22
2	1.21	1.17
3	1.15	1.19
4	1.02	1.08
5	1.10	1.12
6	1.05	1.12
7	1.03	1.16
8	1.10	1.22
9	1.06	1.14

When Advanced Register testing was first started there was no precedent nor experiences to guide the practice so the general rule of thumb of requiring .1 of a pound more butter fat for each day in excess of two years and up to five years was adopted. This was not scientific, as all will admit, but it answered the purpose well enough and was probably the best that could have been done at the time. We could, of course, construct a set of conversion factors from these Advanced Register requirements as is done in Table I.

On page 304 of the March 15, 1932, Guernsey Breeders' Journal there appears a table which gives the average butter fat record made by Guernsey cows on Advanced Register test by ages and classes. This is a very useful little table since it shows the average production in butter fat of all the cows that have completed records in each of the various classes (A, AA, or AAA, etc.) and at the varying ages.

We can, of course, construct a set of conversion factors from these actual records. They are shown in Table II. for the animals in the single letter classes.

Here we have two sorts of conversion factors, one theoretical (based on Advanced Register or Register of Merit requirements) and the other based on actual breed averages. The latter is the kind to be preferred, of course, because it is based on actual data. Some will, no doubt, raise the argument that this heifer made 500 pounds of butter fat at two years but only 520 as a five year old, therefore, the conversion factor is too large. But, I rejoin, here is a heifer that made 325 pounds of butter fat as a two year old and 650 as a five year old, so the conversion factors are too small. In other words, in any one specific instance the conversion factor may not give an exact fit, no one necessarily expects it to, but if we have even as few as ten daughter-dam comparisons these individual variations up and down tend to be bal-

TABLE V.

Conversion Factors for Stepping Records down to AAA or Up to A Basis, Based on Actual Guernsey breed Averages for Various Classes and ages

	Single Letter		Double Letter		Triple Letter	
	To convert Records to AAA Basis multiply Record by	To convert Records to A Basis Multiply Record by	To Convert Records to AAA Basis Multiply Record by	To Convert Records to A Basis Multiply Record by	To Convert Records to AAA Basis Multiply Record by	To Convert Records to A Basis Multiply Record by
A	.814	1.000	.849	1.043	1.000	1.227
B	.838	1.029	.857	1.053	1.022	1.255
C	.870	1.068	.887	1.089	1.049	1.288
D	.896	1.100	.924	1.135	1.110	1.362
E	.947	1.162	.959	1.177	1.156	1.419
F	.972	1.194	.993	1.220	1.226	1.505
G	1.017	1.249	1.041	1.278	1.288	1.582

TABLE IV.
THE AVERAGE BUTTER FAT RECORD MADE BY GUERNSEY COWS ON ADVANCED REGISTER TEST BY AGES AND CLASSES

Classification	Single Letter Av. Lbs. B. F.	Double Letter Av. Lbs. B. F.	Triple Letter Av. Lbs. B. F.	Herd Improvement Av. Lbs. B. F.
A	559.5	536.4	455.7	440.73
B	543.3	531.3	445.6	401.63
C	523.7	513.5	434.3	411.37
D	508.5	492.7	410.5	413.45
E	481.1	475.0	394.1	383.37
F	468.5	458.5	371.6	360.19
G	447.7	437.7	353.6	369.24

anced and we get a relatively true average, amply accurate enough for all practical purposes.

Do Daughters or Dams Benefit Most?

SOME people probably have a notion that using conversion factors gives the bull a big advantage because, they suppose, his daughters' records are multiplied by some large factor while the dams' records are usually mature and stand as they are without any converting.

The writer has recently been making comparisons of daughters and their dams for several bulls and was interested to see just how much the bulls' daughters' and their dams' records had been stepped up on the average by the use of age conversion factors.

It will be seen from the figures in Table III. that there is very little advantage either to the dams or to the daughters as a whole from the use of age conversion factors.

Now the writer will readily admit that it would be better if the record of the dam and the record of her daughter could be compared in the same age class without necessitating the use of any equalizing factors. This is a state of affairs which all breeders should strive to attain as quickly as possible and, of course, it is not at all difficult nor impossible. All that it entails is getting a record on all heifers in two year old form, something which every breeder should do anyhow for his own information. Until this happy day does get here, however, there is something other than twiddling our thumbs which we can do, namely, use conversion factors where necessary to get the records onto a comparable age basis.

A table of average productions of Guernsey cattle according all the various ages and classes was published in the Guernsey Breeders' Journal for March 15, 1932. This table is reprinted herewith—Table IV.

These figures of average production by ages and classes of several thousand Guernsey cows furnish a very reliable basis for age and class conversion factors. We can build any sort of a set of conversion factors that we like from these figures, that is we can take any age and class that we like and scale everything to that basis.

If we chose to scale everything to an A basis we would simply divide 559.5 pounds, the production in A, by the production in every other age and class, and the resulting quotients would be our set of conversion factors. For example, as is shown in Table V., 559.5 divided by 447.7 is equal to 1.249. In other words, if we want to step a record made in G up to an A basis we multiply the G record by 1.249. Likewise, if we want a set of conversion factors which will convert all records to an AAA basis we would divide 455.7 pounds, the average production in AAA, by the average production of all the other ages and classes, and the resulting quotients would be our set of conversion factors. For example, 455.7 pounds, the average production in AAA, divided by 559.5 pounds, the average production in A, is equal to .814. Therefore, to convert an A record to an AAA basis multiply the A record by .814.

Table V. shows two sets of conversion factors, one set scaled to an A basis and the other to an AAA basis.

It will readily be seen that by the use of the proper age conversion factors a breeder can convert records of both daughters and dams to any age basis he wishes and thus get a direct comparison between these groups of records or with any other records that he wishes.

We might use a specific example to show how the age and class conversion factors work. We will use the bull Florham Leader 55682 and convert both the dams' and the daughters' records to an AAA basis through multiplying the actual records by the proper age and class conversion factors. This will be found in Table VI.

The ten dams to which this bull was bred averaged 8597 pounds of milk and 460 pounds of butter fat on an AAA basis, while the ten daughters averaged 9880 pounds of milk and 540 pounds of butter fat on an AAA basis. This bull, therefore, increased milk production 1283 pounds and butter fat eighty

(*Please turn to page 48*)

TABLE VI.
Daughter-Dam Comparisons of Florham Leader 55682
All records converted to an AAA basis

Dams	Class	Actual Record Milk	Actual Record Fat	Converted Record Milk	Converted Record Fat	Daughters	Class	Actual Record Milk	Actual Record Fat	Converted Record Milk	Converted Record Fat
2	A	7498	418	6103	340	2	G	10858	634	11042	644
4	B	11299	618	9468	517	4	A	11292	591	9191	481
6	A	12786	658	10407	535	6	E	14160	727	13409	688
8	A	7498	418	6103	340	8	G	9272	543	9429	552
9	A	11505	579	9365	471	9	C	13852	708	12051	616
10	A	12862	700	10469	569	10	B	9199	450	7708	377
11	E	8562	485	8108	459	11	C	8580	523	7464	455
13	A	12814	666	10430	542	13	F	11072	615	10761	597
14	B	8931	474	7484	397	14	C	10978	596	9550	518
16	AAA	8034	436	8034	436	16	GGG	6370	370	8204	476
	Averages			8597	460					9880	540

Whitsuntide Cattle Show

Fine Display at Beaucamps—The Weekly Press

THE Whitsuntide Cattle Show of the Royal Guernsey Agricultural and Horticultural Society, usually held on Whit Monday, was held at the Beaucamps, Castel, on May 19. The special trophies and prizes were presented by A. W. Bell, Esq., Bailiff of Guernsey, and President of the Society. Fine weather favored the show and there was a good showing of visitors.

Luncheon was served to a party of seventy-five, consisting of the committee, judges and friends. A. W. Bell, presided, and among those attending were Jurats Julius Bishop, C. B. E., Lieutenant-Bailiff, Ernest de Garis, who was, as usual, one of the most busy on the show ground, J. Alles Simon and J. N. Robin. A warm welcome was expressed by A. W. Bell, Bailiff, to several English breeders, among them being Messrs. J. Butler Ormond, Epping, Essex; J. W. Towler of Farsley, near Leeds; W. E. Morgan, South Africa; Langley Hobbs, London; also to Messrs W. H. Mignot and H. M. Peake, Alderney, and A. G. Falle, Sark. After the toasts were given Mr. Ormond delighted all by saying that he felt many would wish Guernsey could be planted in England for then it might be possible to breed cattle as here. At present breeders on the mainland feel they must come back for the old blood to keep them right. Mr. Ormond characterized the cattle as forming a very good show and praised the islanders, who for many years had given such a warm welcome to Mrs. Ormond and himself.

His Excellency, Lord Ruthven, and Colonel F. Brousson, D. S. O., Government Secretary, took a keen interest in the cattle and the parade.

Following is the list of the awards:

BULL, 3 YEARS AND OVER

1, Honoria's Souvenir, Alfred D. Le Patourel; 2, Major of Le Casrouge, George E. de Garis; 3, Valerie's Honour II., W. B. Langlois; 4, Cyrano III. des Vauxbelets, F. W. Berry; reserve, Lenore's Souvenir de Vimiera, A. Berthou.

BULL, 28 MONTHS AND UNDER 3 YEARS

1, Le Hechet's Renown III., C. A. Blondel; 2, Majestic of King's Mills, J. N. Dorey; 3, May Rose's Laddie III. of the Masse, A. W. Girard; 4, Breban's Floredora's Butterfat, T. Breban; reserve, Candie's Defencer, George E. de Garis.

BULL, 21 AND UNDER 28 MONTHS

1, Hougue Maid's Slogan, J. Nicolle; 2, Passee Molly's Valentine, Hy. T. Nant; 3, Violet's Valentine of the Chouet, Y. Toudic; 4, Ino of Myrtle Place, Ernest de Garis; reserve, Les Dunes Sailor Lad, A. Chutter.

BULL, 15 AND UNDER 21 MONTHS

1, Challenger II. of the Hechet, C. A. Blondel; 2, Rover of Grands Courtils, S. G. Hubert; 3, Bouillon's Lad, F. Browning; 4, Milton Noble II., F. W. Berry; reserve, Woodbine Maid's Conqueror, M. Le Cheminant.

BULL, 10 AND UNDER 15 MONTHS

1, Chieftain of Bigard, James F. Carey; 2, Violet's Valentine II. of Chouet, Y. Toudic; 3, Poundstock's Sequel II., G. E. Williams; 4, Bickleigh Herald, H. Hamley; reserve, Bellina's Hero II., A. L. Christantian.

PROGENY, BEST BULL WITH THREE OF PROGENY

1, Major of Le Casrouge and progeny, George E. de Garis; 2, La Fleur du Jardin's Leader and progeny, Ernest de Garis.

COW, 7 YEARS AND OVER

1, La Blanchette du Villocq IV., James Martel; 2, Beauty's Pride of Le Manoir, A. R. Tostevin; 3, Le Hechet's Buttercup II., C. A. Blondel; 4, Primrose IV. of l'Eclet, G. E. Williams; 5, Lily's May Rose, G. Le Page; reserve, Richmond's Valentine of La Ruette, T. M. Vidamour.

COW, 5 AND UNDER 7 YEARS

1, Patsey of Rocque a Boeuf, E. J. de Garis; 2, Bickleigh Briar IV., H. Hamley; 3, Violet II. of the Chouet, Y. Toudic; 4, Pollyanna de Vimiera, A. Berthou; 5, Rosette of Sausmarez Manor, Sir Havilland W. de Sausmarez; reserve, France's Queen of Groignet, E. T. P. Ozanne.

COW, UNDER 5 YEARS

1, Ester of the Simons, J. B. Tostevin; 2, Elsa of Mont Val, J. B. Tostevin; 3, Buttercup's Pride of the Hechet, C. A. Blondel; 4, Candie's Joyce, George E. de Garis; 5, Marquand's Maggie, J. Nicolle; reserve, Richmond's Charm of Les Frances, T. M. Vidamour.

COW, DAM OF BULLS IN SERVICE

1, Le Hechet's Buttercup II., C. A. Blondel; 2, Violet II. of the Chouet, Y. Toudic; 3, Camelia of Duvaux, E. H. Ogier.

PROGENY, BEST COW AND TWO OF HER PROGENY

1, Le Hechet's Buttercup II., C. A. Blondel; 2, Bellina of the Vauxbelets, A. L. Christantian; 3, Primrose IV. of l'Eclet, G. E. Williams; 4, Joyce of Hill Farm, George E. de Garis.

HEIFER, 3½ YEARS AND UNDER, IN MILK

1, Woodbine Lady White, M. Le Cheminant; 2, May of Rose Farm, J. F. Browning; 3, Cinderella II. du Valet, T. B. Le Prevost; 4, Golden Tip II. of Meadow View, J. Carrington; 5, Myra III. of Grande Mare, J. J. Ferbrache; reserve, Princess II. of the Rand, E. Guille.

A. R. COW, 50 PER CENT OVER REQUIREMENT

1, La Blanchette du Villocq IV., James Martel; 2, Ringdale of La Mare, A. Le Noury; 3, Violet II. of the Chouet, Y. Toudic; 4, Richmond's Valentine of La Ruette, T. M. Vidamour; reserve, Pollyanna de Vimiera, A. Berthou.

COW, UNDER 5 YEARS, CALVED 5 MONTHS AND OVER

1, Red Rose of Myrtle Place II., Ernest de Garis; 2, Dairy Queen Nellie, E. D. Falla; 3, Dora des Vallees, A. B. Le Cornu.

COW, 5 YEARS AND OVER, CALVED 5 MONTHS AND OVER

1, Dinah's Pride of the Fountain, H. W. Burton; 2, Damson's Fanny, J. A. de Garis; 3, Lady Athene of Country Hospital, Country Hospital; 4, Cosa III. of the Vauxbelets, A. L. Christantian.

HEIFER, OVER 7 MONTHS IN CALF

1, Betty of St. Andrew's, Frank D. Martel; 2, May Rose of St. Germain, H. J. Girard; 3, Hotton's Ina, W. J. Hotton; 4, Richmond's Honour II. of Les Frances, T. M. Vidamour; 5, Rosa of Sausmarez Manor, Sir Havilland W. de Sausmarez; reserve, Fleurie II. of La Rocque, P. Bourgaize.

HEIFER, 2 YEARS AND OVER, NOT OVER 7 MONTHS IN CALF

1, Pollyanna III. de Vimiera, A. Berthou; 2, Popular Weymouth's Poundstock III., F. R. Norman; 3, Lissette's Linda of Ponchez, W. Le Ruez; 4, Fantail Lady II., A. Crocker; 5, Jessis du Valet, T. B. Le Prevost; reserve, Ruby of Oatlands, A. Dorey.

HEIFER, 20 MONTHS AND UNDER 2 YEARS

1, Fanny of Beaulieu, J. J. Gavet; 2, Manoir's Fanny, P. Roberts; 3, Les Dunes Ilma, A. Chutter; 4, Duplicate of Duvaux, E. H. Ogier; 5, Kate of Duvaux, E. H. Ogier; reserve, Maidie of Osmonds, W. Mauger.

HEIFER, 16 AND UNDER 20 MONTHS

1, Rocque a Boeuf's Dinah, H. W. Burton; 2, Milton Opal, F. W. Berry; 3, Iona of Myrtle Place, Ernest de Garis; 4, Emperor's Valentine III., A. B. Le Cornu; 5, Ivy II. of Ottawa, Osmond W. Sarre; reserve, Vauxbelet's Cosa, A. L. Christantian.

(Please turn to page 49)

OUR NEW CLASS LEADERS

Gaiety's Foremost Violet 233348, Re-entry 26468
Ninth in Class DD

NINTH place in class DD in now held by Gaiety's Foremost Violet 233348 that produced 12499.7 pounds of milk and 736.3 pounds of butter fat. She was bred by H. F. Andrus, Millerton, New York, and is owned by Daniel Scocozza, Ashland, New York.

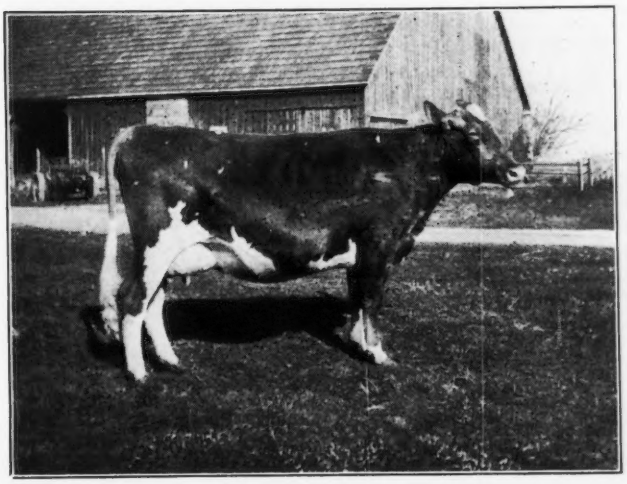
This new class leader was sired by Gaiety's Foremost Boy 116308, that has one Advanced Register daughter, a son of Foremost Boy 68470, an Advanced Register sire with seven Advanced Register daughters, and Imp. Donnington Gaiety 8th 65901, that has one Advanced Register daughter and a record in class B of 10189.3 pounds of milk and 546.2 pounds of butter fat and one in class A of 15354.0 pounds of milk and 820.9 pounds of butter fat.

The dam of "Violet" is Lone Pine Violet 168045 that has one Advanced Register daughter. She, in turn, was sired by Cherub's Pearl Royal of Shorewood 58824, an Advanced Register sire with ten Advanced Register daughters and seven Advanced Register sons, and out of Lone Pine Hope's Violet 102113 that has a record in class E of 10428.7 pounds of milk and 555.1 pounds of butter fat.

		Milk Lbs.	Butter Fat %	Butter Fat Lbs.
Sire: Gaiety's Foremost Boy 116308.	1931			
Dam: Lone Pine Violet 168045.	Mar. 1,	1572.9	5.12	80.53
Breeder: H. F. Andrus, Millerton, N. Y.	Apr.	1341.3	4.70	63.04
Owner: Daniel Scocozza, Ashland, N. Y.	May	1344.3	5.43	73.00
Born Mar. 10, 1927. Calved Feb. 7, 1931.	June	1225.4	5.52	67.64
Served Mar. 27, 1931.	July	1155.4	6.12	70.71
Calved Jan. 8, 1932.	Aug.	1049.3	6.52	68.41
Served Feb. 22, 1932.	Sept.	895.3	5.95	53.27
Requirement for admission 362.5 lbs. fat.	Oct.	791.7	7.25	57.40
Supervised by Cornell Station, New York.	Nov.	638.0	7.53	48.04
3 milkings daily 11.5 mos.	*Dec.	404.3	7.15	28.91
Retest taken in February, 1932.	**Jan. '32	941.9	6.02	56.70
*5 days dry; **7 days dry.	Feb. 28,	1139.9	6.02	68.62
Previous record begun as a two and one-half year old (Class F); 10633.3 lbs. milk; 617.0 lbs. butter fat.	Total	12499.7	5.89	736.3

Chuckanut Linneta 288172, A. R. 30016
Fourth in Class G and First in Class GG

BY producing 13156.9 pounds of milk and 823.9 pounds of butter fat, Chuckanut Linneta 288172 places fourth in class G and first in class GG. She was bred and is owned by D. W. Barclay, Burlington, Washington.



"Linneta" was sired by Chicona Belmont 104979, the sire of three Advanced Register daughters. He, in turn, was by Langwater Traveler 38325, that has twenty-five Advanced Register daughters and eight Advanced Register sons, and out of Beauty of Chicona 65537 that has a record in class BB of 13563.7 pounds of milk and 742.7 pounds of butter fat and one in class E of 8980.8 pounds of milk and 508.9 pounds of butter fat. She also has one Advanced Register son.

The dam of the new class leader is Linneta of Riverview 165566 that has one Advanced Register daughter and a record in class AAA of 12063.0 pounds of milk and 600.1 pounds of butter fat. Royal Governor Glen of Orchard Hill 47409, the maternal grandsire, has three Advanced Register daughters, while Linneta of Chicona 78430, the maternal grandam, has one Advanced Register daughter.

"Linneta" started her test on May 1 and remained in pasture until October 20 when she was turned in the barn long enough to eat her grain and be milked. During the winter she remained in a shed with five other cows where she was fed all the mixed timothy and clover hay she could eat. She was not put in a box stall during her entire test. While on pasture her grain ration consisted of ground oats, bran, linseed meal, soy beans and ground corn, consisting of about seventeen per cent protein. When she was put in the shed the soy beans and corn were omitted from her ration with ground peas being substituted and the protein ration being increased to twenty per cent. She was a very persistent milker, being milked until January 15 by Jacob Friedrichs after which Albert Johnson took charge of her. "Linneta" weighs about 1,250 pounds.

		Milk Lbs.	Butter Fat %	Butter Fat Lbs.
Sire: Chicona Belmont 104979, A. R.	1931			
Dam: Linneta of Riverview 165566, A. R. 27630.	May 1,	1252.4	5.92	74.14
	June	1276.2	5.28	67.38
Breeder: D. W. Barclay, Burlington, Wash.	July	1293.1	5.75	74.35
Owner: D. W. Barclay, Burlington, Wash.	Aug.	1226.4	5.96	73.09
Born Apr. 1, 1929. Calved Apr. 27, 1931.	Sept.	1057.3	6.38	67.46
Served Aug. 5, 1931.	Oct.	1108.0	6.58	72.91
Carried calf 268 days during test.	Nov.	1045.0	6.46	67.51
Requirement for admission 293.4 lbs. fat.	Dec.	1091.3	6.93	75.63
Supervised by Washington Station.	Jan. '32,	1006.1	6.56	66.00
3 milkings daily.	Feb.	915.1	6.90	63.14
Retests taken in June, July, August, September, and December, 1931.	Mar.	987.6	6.40	63.21
	Apr. 29	898.4	6.58	59.11
Check test taken in September, 1931.	Total	13156.9	6.26	823.9

Chuckanut Princess 290225, A. R. 30017
Seventh in Class G

CHUCKANUT PRINCESS 290225, the second class leader to appear this month that was bred and owned by D. W. Barclay, Burlington, Washington, has just completed a record of 17566.9 pounds of milk and 809.3 pounds of butter fat, which places her seventh in class G

"Princess" was also sired by Chicona Belmont 104979 that was by Langwater Traveler 38325 and out of Beauty of Chicona 65537. Her dam, Sam's Princess Zita of Shannondale 206407, has two Advanced Register daughters and a record in class AAA of 12713.8 pounds of milk and 571.5 pounds of butter fat. Her

(*Please turn to page 49*)

ADVANCED REGISTER NOTES

State Champions

CALIFORNIA

BB. Rancho Whiteface Myrtle 257966, 14252.5 pounds of milk; 711.3 pounds of butter fat; breeder and owner, D. O. Brant, Canoga Park.

ILLINOIS

F. Wendmere Victoria 251720, 14727.7 pounds of milk; 711.3 pounds of butter fat; breeder, A. C. Wadley, New Market, New Jersey; owner, August Ziesing, Deerfield.

MARYLAND

AA. Moughon Mignonette 183418, 16644.0 pounds of milk; 777.8 pounds of butter fat; breeder and owner, P. W. Browning, Riverdale.

MASSACHUSETTS

AHI. Argilla Nanette 195507, 10168.3 pounds of milk; 436.3 pounds of butter fat; breeder, S. M. Merrill, Ipswich, Massachusetts; owner, Mrs. James J. Storrow, Lincoln.

BHI. Roughwood Sunlight 215458, 8553.4 pounds of milk; 476.9 pounds of butter fat; breeder, Ernest B. Dane, Chestnut Hill, Massachusetts; owner, Mrs. James J. Storrow, Lincoln.

CHI. Argilla May Claire 224407, 9232.7 pounds of milk; 563.2 pounds of butter fat; breeder, S. M. Merrill, Ipswich, Massachusetts; owner, Mrs. James J. Storrow, Lincoln.

NORTH CAROLINA

AHI. Regent's Minnie of Plumtree 169457, 9999.2 pounds of milk; 545.7 pounds of butter fat; breeder, J. P. Hall, Plumtree, North Carolina; owner, F. E. Lykes, Arden.

FHI. Foremost Marie 259398, 7154.9 pounds of milk; 421.7 pounds of butter fat; breeder and owner, F. E. Lykes, Arden.

OKLAHOMA

A. Gayoso Edna Louise 154129, 17140.5 pounds of milk; 902.2 pounds of butter fat; breeder, Gayoso Farm, Memphis, Tennessee; owner, Tom Cooper, Ardmore.

THE FOLLOWING COWS DESERVE HONORABLE MENTION FOR OUTSTANDING RECORDS

NAME AND NUMBER	Test Ended	Lbs. Milk	Lbs. B. Fat	Class
Gayoso Edna Louise 154129, A. R. 18935 Owner: Tom Cooper, Ardmore, Oklahoma.	3—5–32	17140.5	902.2	A
Max's Besse of Oak Grove Farm 144298, A. R. 27000 Owner: R. F. Locke, Cressey, Michigan.	2–21–32	14761.8	826.8	A
Moughon Mignonette 183418, A. R. 22646 Owner: P. W. Browning, Riverdale, Maryland.	3–26–32	16644.0	777.8	AA
Escalon Phoebe 227432, A. R. 21536 Owner: A. B. Humphrey, Escalon, California.	1—2–32	9617.7	581.7	AAA
Rancho Whiteface Myrtle 257966, A. R. 23968 Owner: D. O. Brant, Canoga Park, California.	3—7–32	14252.5	711.3	BB
Grassland Eldine 216761, A. R. 29964 Owner: Robert and Herbert Scoville, Taconic, Connecticut.	2–13–32	10729.4	505.8	BBB
Escalon Fawn 231675, A. R. 27512 Owner: A. B. Humphrey, Escalon, California.	2—2–32	9423.8	540.7	CCC
Gaiety's Foremost Violet 233348, A. R. 26468 Owner: Daniel Scocozza, Ashland, New York.	2–28–32	12499.7	736.3	DD
Cavalier's Fancy 244089, A. R. 27363 Owner: Pedigreed Seed Company, Hartsville, South Carolina.	3–30–32	14346.0	762.4	E
Dunwalke Buttercup's Valentine 253065, A. R. 29916 Owner: Clarence Dillon, Bedminster, New Jersey	3—1–32	10293.1	544.7	EEE
Green Meadow May Star 324923, A. R. 29920 Owner: Arthur G. Galusha and Sons, Williamstown, Massachusetts.	1—4–32	14960.3	760.6	F
Wendmere Victoria 251720, A. R. 29948 Owner: August Ziesing, Deerfield, Illinois.	3—7–32	14727.7	711.3	F
Charmaine of Norcrest 254023, A. R. 29945 Owner: E. G. Woodward, Salisbury, Connecticut.	1—1–32	7129.0	401.2	FFF
Chuckanut Princess 290225, A. R. 30017 Owner: D. W. Barclay, Burlington, Washington.	5—4–32	17566.9	809.3	G
Chuckanut Linneta 288172, A. R. 30016 Owner: D. W. Barclay, Burlington, Washington.	4–29–32	13156.9	823.9	GG

THE FOLLOWING COWS DESERVE HONORABLE MENTION FOR ONE MONTH'S PRODUCTION

(Credits subject to final verification)

NAME AND NUMBER	Test Begun	Month	Lbs. Milk	Lbs. B. Fat	Class
Imp. Bickleigh Jewel IV. 253827 Owner: Est. John R. Gladding, Thompson, Connecticut.	2–15–32	Mar	2113.3	102.92	A
Fircrest Nasturtium 213708 Owner: A. Macrae Smith, Lynden, Washington.	12—3–31	Mar	1756.4	101.34	A
Fircrest Golden Girl 133260 Owner: A. Macrae Smith, Lynden, Washington.	10–17–31	Mar	1502.7	91.51	A
Grassland Gloria 208437 Owner: Robert and Herbert Scoville, Taconic, Connecticut.	2–24–32	Apr	2190.5	91.34	A
Riverview's Governor's Darling 243144	2–28–32	Mar	1955.6	108.14	C
Owner: George P. McLean, Simsbury, Connecticut.		Apr	1760.8	100.54	
Balsam of Hurley-hurst 247677 Owner: John L. Dickinson, Charleston, West Virginia.	2–19–32	Mar	1523.8	82.59	C
Mistland Lady Lenore 254575 Owner: Lloyd B. Hathaway, Brush Prairie, Washington.	3—1–32	Mar	1467.4	84.23	CCC
Franchester Consent 262636 Owner: Chester C. Bolton, South Euclid, Ohio.	2–11–32	Mar	2109.6	90.71	D
Birchfield Lassiky 256836 Owner: Lawrence Grinnell, South Dartmouth, Massachusetts.	3—6–32	Mar	1291.9	82.42	D
Beechford's Honoria Lady 267849 Owner: Harry Bailey, Mount Tremper, New York.	6–13–31	Apr	1291.4	68.19	F

SOUTH CAROLINA

E. Cavalier's Fancy 244089, 14346.0 pounds of milk; 762.4 pounds of butter fat; breeder, J. N. Gibson, Gibson, North Carolina; owner, Pedigreed Seed Company, Hartsville.

WASHINGTON

*G&GG. Chuckanut Linneta 288172, 13156.9 pounds of milk; 823.9 pounds of butter fat; breeder and owner, D. W. Barclay, Burlington.

*This cow is credited with both single and double letter classification because she has become a National class leader in GG and her production is higher than any G record in this state.

Fircrest Nasturtium 213708, owned by A. Macrae Smith, Lynden Washington, produced in March, 1756.4 pounds of milk and 101.34 pounds of butter fat in class A.

Franchester Consent 262636 produced during the month of March, 2109.6 pounds of milk and 90.71 pounds of butter fat in class D. She is owned by Chester C. Bolton, South Euclid, Ohio.

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Glenwood's Blue Bell 323284 Owner: George W. Perkins, Cold Spring, New York.	3—1-32	Mar	1091.2	66.24	FFF
Hilltop Butterfat Rosebud 295212 Owner: George M. Hendee, Suffield, Connecticut.	11—3-31	Apr	1105.9	72.88	G
Hilltop Bonny Freesia 301635 Owner: George M. Hendee, Suffield, Connecticut.	3—8-32	Apr	1258.4	69.84	G
Camille of the Clearing 293961 Owner: Mary E. Gurnett, Kingston, Massachusetts.	1—3-32	Feb Mar	1053.1 1056.5	62.34 66.98	G
Hilltop Que Vive Annabelle 295215 Owner: George M. Hendee, Suffield, Connecticut.	1-15-32	Apr	1208.8	66.00	G
Valor's Glamour 298448 Owner: J. C. Penney-Gwinn Corporation, Hopewell Junction, New York.	5—2-31	Mar Apr	1082.1 991.3	62.76 65.13	G
Falcon's Andromeda 291492 Owner: Ernest F. Doane, Litchfield, Connecticut.	10—1-31	Apr	1162.5	61.38	G
Loma Defender's Paula 294741 Owner: L. G. and M. Y. Kaufman, Marquette, Michigan.	6—1-31	Apr	993.5	61.20	G
Loma Double Jennie 324314 Owner: L. G. and M. Y. Kaufman, Marquette, Michigan.	2-14-32	Apr	1106.4	60.63	G
Valor's Grace 298449 Owner: J. C. Penney-Gwinn Corporation, Hopewell Junction, New York.	6-14-31	Apr	922.2	60.31	G
Maggie's Snowdrop 291368 Owner: Helena S. Raskob, Centerville, Maryland.	2—1-32	Apr	1338.8	58.24	GGG
Coventry Donna Flora 295399 Owner: Richard W. Woolworth, Salem Center, New York.	2—1-32	Mar	1108.1	50.97	GGG

APPROVED ADVANCED REGISTER RECORDS

From June 1, 1932, to June 15, 1932

Includes A. R. 29913 to 30017 with re-entries: 18428; 18935; 19792; 20393; 20762; 21300; 21396; 21536; 21716; 22074; 22646; 23252; 23810; 23968; 24033; 24255; 24287; 24429 24789; 24969; 25101; 25131; 26225; 26468; 26756; 26982; 27000; 27156; 27363; 27512; 27551; 28016

CLASS A—Five Years and Over

A. R.		Lbs. Milk	Lbs. Fat	Per Cent Fat	Age Yrs. Mos.	OWNER
R°18935	Gayoso Edna Louise 154129 S. Langwater Actor 60162 A. R. D. Folly Colleen 95141 A. R.	17140.5	902.2	5.26	7—6	Tom Cooper, Ardmore, Okla.
R°27000	Max's Besse of Oak Grove Farm 144298 S. Mimosa's Max 68768 A. R. D. Raider's Comtesse of Locust Hill 88940 A. R.	14761.8	826.8	5.60	8—3	R. F. Locke, Cressey, Mich.
R24255	Langwater Country Flower 204359 S. Langwater Steadfast 31672 A. R. D. Imp. County Flower of Langwater 149216 A. R.	15106.3	790.4	5.23	5—2	John S. Ames, North Easton, Mass.
R¶22646	Moughon Mignonette 183418 S. Repeat of Pine Ridge 62455 A. R. D. Strontia Charity 107700 A. R.	16644.0	777.8	4.67	5—10	P. W. Browning, Riverdale, Md.
R23810	Gracieuse Barbi 203645 S. Gracious Masher of Burnside 93677 A. R. D. Celia's Barbi 140983	12930.2	752.6	5.82	5—4	S. M. Shoemaker, Eccleston, Md.
R28016	Imp. Nellie of Retot 248929 S. Juno of the Camp R. G. A. S. 4501 P. S. A. R. D. Minnie V. of Retot R. G. A. S. 19277 P. S.	12003.2	695.6	5.80	6—3	Mrs. E. H. Geran, Matawan, N. J.
30002	Patrice of Haywood 271868 S. Millmount's Cavalier 97438 A. R. D. Aimable's Purity of Eldon 104291 A. R.	12956.6	690.4	5.33	5—1	Florence Osborne, Canton, N. C.
R26225	Woodvale Eidelweis 258230 S. Altamannsit Honorable 95233 A. R. D. Woodvale Queen Bab 111676 A. R.	14690.8	685.7	4.67	5—3	F. B. Black, Mansfield, Ohio.
29928	Lila Belle Gable 156215 S. Glen Gable Sentry 70744 D. Lalla Bell of Mara Alva 121153	13945.8	680.9	4.88	7—6	Henry W. Leeds, Westville, N. J.
29965	Valentine's Fazia 218903 S. Imp. Justine's Valentine 72347 A. R. D. Edgewood's Fazia 133754	14344.5	677.2	4.72	6—10	Stevens Brothers, North Andover, Mass.
R21396	Nancy of Adohr Farms 165725 S. Inspiration of Edgemoor 54834 A. R. D. Nancy's Golden Jewel 108754	13197.1	659.6	5.00	7—1	Adohr Stock Farms, Reseda, Calif.
R¶22074	Charmante's Success 147790 S. John Q.'s King of the May 78101 A. R. D. Planet's Success 90698 A. R.	14482.0	644.5	4.45	7—9	A. D. Lasker, Everett, Ill.
29963	Janet of Westfield Farm 148235 S. King Fisher of Ware 64767 D. Sabina of Westfield Farm 89663	13119.6	639.3	4.87	8—1	Stephen W. Sabine, Groton, Mass.
R20762	Imp. Patience III. of Dairy Farm 149211 S. Imp. Sailor Lad V. of the Fontaines 123257 A. R. D. Parmentier IX. of Dairy Farm R. A. A. S. 2260 P.S.	12607.1	636.3	5.05	8—9	Ronald Tree, Greenwood, Va.
R23252	Twin Brook Farms Hope 150725 S. Maple Glen Laddie 43000 A. R. D. Glenwood's Isobel of Valley View 82200	13898.0	631.0	4.54	8—0	E. K. Gaylord, Oklahoma City, Okla.

R18428 Brookfield Wyoming 180451 11576.3 629.1 5.43 19—5 S. M. Merrill, Ipswich, Mass.
s. Rutila's Gold Basis 5625 A. R. D. Falstaff's Wyoming 2d 20585
30003 Nashua Daisy 85051 12494.9 610.6 4.89 12—11 Miss Clara Endicott Sears, Harvard, Mass.
s. Sir Glenrose of France 2d 33039 A. R. D. Noblesse 4th 45148
¶30012 Raider's Rosita of Woodland 164399 11852.8 587.1 4.95 6—10 G. H. Wood, Monroe, Mich.
s. Raider's Recorder of Waddington 45877 A. R. D. Paramount's Stella Daisy 85784 A. R.
R†21536 Escalon Phoebe 227432 9617.7 581.7 6.05 6—2 A. B. Humphrey, Escalon, Calif.
s. Escalon Favorite 76818 A. R. D. Escalon Phillys 115813 A. R.
R25101 Naomia of Stanford 192325 11388.8 564.7 4.96 5—10 Hugh Barclay, Pulaski, N. Y.
s. Royal Countess's King of Oakhurst 84142 A. R. D. Nellie's Governess 98818
R19792 Hazelwood Queen of The South 164067 11549.6 521.2 4.51 7—1 R. B. Caldwell, Chester, S. C.
s. Imp. Governor II. of Les Grantes 45452 A. R. D. Guernsey Queen of Bon Ayre 70883 A. R.
R21716 Mound View Echo 228195 11315.0 519.2 4.59 5—11 Th. Rasmussen & W. Mattheisen, Eagle River, Wis.
s. Victoria's Prince of Mound View 88922 A. R. D. Echo of Linwood 92331 A. R.
30001 Haywood Xenia 186411 10981.7 518.7 4.72 6—3 Florence Osborne, Canton, N. C.
s. Millmount's Cavalier 97438 A. R. D. Haywood Lady of The Decoration 78026 A. R.
R21300 Memoir of Mirador 222931 10583.5 514.3 4.86 6—6 Ronald Tree, Greenwood, Va.
s. Fanchon's Sentry of Linda Vista 67643 A. R. D. Imp. Clotilde III. 149208 A. R.
29921 Al-Beu Farm's Holly 177780 10619.7 502.3 4.73 6—7 William H. Gould, Burkeville, Va.
s. Al-Beu Farm's Lavanton 64861 A. R. D. Lady Marie of Fern Cliff 74684
29992 President's Lassie of City View 149981 11096.9 501.4 4.52 7—11 Paul R. Johnson, Independence, Kansas.
s. President of City View 65952 A. R. D. Bell Buoy's Bonny Lassie of City View 76215
29984 Dorothy May of Oakwood 125804 9707.0 499.9 5.15 9—10 E. K. Gaylord, Oklahoma City, Okla.
s. Caribou Chick 43506 A. R. D. Queen's Smidget 54644 A. R.
†30015 Ensor's Minerva 209263 8580.4 498.6 5.81 5—2 Charlton Yarnall, Newtown Square, Pa.
s. Miss Loulie's Royal 76364 A. R. D. Miss Minerva 100200
R27551 Jomado's Charity 173629 11553.9 498.3 4.31 7—0 J. M. Dozier, Lee Hall, Va.
s. Mary Jane's Royal 70247 A. R. D. Strontia Charity 2d 155540 A. R.
30010 Lady of Versailles 208230 10331.2 489.9 4.74 5—1 H. A. Wise, Versailles, Ohio.
s. Golden Jerry of Versailles 79961 A. R. D. Golda of Versailles 170887
30006 Idaho Beauty 192011 9789.8 476.9 4.87 5—11 R. E. Shepherd, Jerome, Idaho.
s. King Veronica of Lavaland 88508 D. Princess May of Carolford 131183
R24429 Lavanton's Leona of Sylvanite 156478 8970.1 462.9 5.16 7—6 A. P. Irwin, Chadds Ford Junction, Pa.
s. Lavanton of Rich Neck 43593 A. R. D. Leona of Sylvanite 100723
R†20393 Cosy Bee of Elm Tree 165241 8043.3 458.7 5.70 7—4 E. G. Woodward, Salisbury, Conn.
s. Pauline's Proud Warrior 68106 A. R. D. Elm Tree Cosette 126419 A. R.
29930 Foremost's Courteous 197805 7920.8 449.3 5.67 5—7 J. C. Penney-Gwinn Corp., Howewell Junction, N. Y.
s. Langwater Foremost 39191 A. R. D. Follyland Nancy 52457 A. R.
¶29962 Holliston's Gertrude of Oakhurst 204031 9031.1 442.4 4.90 5—11 J. B. Roddey, Columbia, S. C.
s. Grapelawn Holliston 104981 A. R. D. Oakhurst Roxane 133825
29960 Greystone Juliet 202977 8637.5 436.1 5.05 5—5 L. S. Riford & T. M. Staples, Auburn, N. Y.
s. Maple Glen Romeo 72563 A. R. D. Itchen Rose of Caldwell Place 108991 A. R.
29918 Jomado's Lucile 204034 8018.5 409.9 5.11 5—3 J. M. Dozier, Lee Hall, Va.
s. Highland Meditator 84122 A. R. D. Vindicator's Lucie of Sweet Springs 151536
†30000 Gypsy King's Pauline 169042 8098.0 386.2 4.77 7—1 Amos C. Miller & William Truman, Castalia, Ohio.
s. Shuttlewick Gypsy King 75365 A. R. D. Pauline A. 109173

CLASS B—Four and One-Half to Five Years

R24033 Florham Sybarita 218109 14355.9 711.8 4.96 4—10 Ruth V. Twombly, Madison, N. J.
s. Langwater Star Gazer 60164 A. R. D. Langwater Sybarita 77758 A. R.
R¶23968 Rancho Whiteface Myrtle 257966 14252.5 711.3 4.99 4—10 D. O. Brant, Canoga Park, Calif.
s. White Face of the Rancho 91959 A. R. D. Myrtle of the Rancho 145654 A. R.
29968 Meredith Bluebell 270405 10562.9 609.9 5.77 4—6 Edward Wigglesworth, Topsfield, Mass.
s. Atamannsit Leader 85020 A. R. D. Mixter Demonstrator's Bluebird 73218 A. R.
29952 Maple Crest Lorna 216272 11452.0 605.8 5.29 4—10 John Endicott, Bloomfield Hills, Mich.
s. Luxerin Bruno 80176 A. R. D. Golden Lillia of River Valley 90197
29953 Florrie's Princess of Cedar View 212134 9584.9 539.7 5.63 4—11 Julius Fleischmann, Blue Ash, Ohio.
s. Florrie's Masterpiece 88715 D. Upland's Lovely Princess of Cedar View 182259
29966 Robert's Sweetheart of High Hill 208682 10964.3 510.5 4.66 4—10 William R. West, New Bedford, Mass.
s. King Robert of Great Hill 31925 A. R. D. Imp. Nora of the Gele II. 95425 A. R.
†29964 Grassland Eldine 216761 10729.4 505.8 4.71 4—7 Robert & Herbert Scoville, Taconic, Conn.
s. Imp. Valentine's Honorable Sequel 51895 A. R. D. Grassland Fawn Frances 129937 A. R.
29951 Publican's Alice of Longwood 208576 8734.5 501.2 5.74 4—9 Pierre S. du Pont, Kennett Square, Pa.
s. Atamannsit Publican 85023 A. R. D. Longwood Nancy 93615 A. R.
29979 La Lucetta of Santa Cruz 226065 8573.3 472.6 5.51 4—7 Est. James A. Brown, Capitola, Calif.
s. Golden Sequel of Santa Cruz 83443 A. R. D. La Louisa of Santa Cruz 159386
R†24287 Escalon Anna May 214018 9646.7 462.2 4.79 4—7 A. B. Humphrey, Escalon, Calif.
s. Escalon Ricardo 82063 A. R. D. Escalon Noble Anne 174987
†29944 Jewel of Versailles 213035 9009.8 460.2 5.11 4—9 H. A. Wise, Versailles, Ohio.
s. Dina's King of Cedar Lane 77507 D. Myrtle Mae of East View 177916
R24969 Pallas' King's Elsie 219831 8188.7 390.5 4.77 4—8 Kansas State Agr'l College, Manhattan, Kansas.
s. Pallas' King 96365 A. R. D. Elm Ledge Eleanor 167459

CLASS C—Four to Four and One-Half Years

30004 Nashua Jubilee 220866 11440.0 628.4 5.49 4—3 Miss Clara Endicott Sears, Harvard, Mass.
s. Orchard View Fashion 86645 A. R. D. Nashua Joybell 143760
R24789 Elm Row Blossom 218155 11714.0 625.9 5.34 4—5 George E. Dean, Albion, Mich.
s. Stanford's Linwood of Cuffdale 79091 D. Imperial Orange Blossom 127486

29919 Rosalie of Forest Grove 230140 12184.1 572.0 4.69 4—1 Mervin Eby, Wakarusa, Ind.
S. Dauntless Lochinvar of Lookwell Farm 82447 D. Betty's Queen of Forest Grove 124292
29914 Falcon's Unique 231157 10668.4 556.8 5.22 4—2 B. Austin Cheney, Litchfield, Conn.
S. Falcon's Patrician 109229 A. R. D. Falcon's Governess 106585 A. R.
R†27512 Escalon Fawn 231675 9423.8 540.7 5.74 4—1 A. B. Humphrey, Escalon, Calif.
S. Escalon Favorite 76818 A. R. D. Pearl Souffle of Revada 110497
30005 Grenfel Virginia 298705 9471.0 537.7 5.68 4—0 Seymour Bros., West Allis, Wis.
S. Morven's King of Virginia 77090 D. Ultra King's Dot 120875
29997 Meadow-Gold Lucile 228444 10374.4 528.5 5.09 4—2 R. F. Locke, Cressey, Mich.
S. Corium Prince's Gordon 112446 D. Ula of the Elms 59123
¶29978 Nosegay of Oakwood 309983 8601.1 502.3 5.84 4—2 H. H. Brown, Strother, S. C.
S. Glen Gable Anchora 75076 D. Nosey of Oakwood 103826
30009 Steele's Hill Evangeline 241478 8773.0 436.6 4.98 4—3 Est. C. H. Tyler, Sanbornton, N. H.
S. Steele's Hill Daniel Gage 69319 A. R. D. Steele's Hill Rebecca 202135 A. R.
†30007 Tarbell Farms Marose Buttercup 237139 7003.8 346.4 4.95 4—0 Gage E. Tarbell, Smithville Flats, N. Y.
S. Appletree Point's Secret Marose 77409 A. R. D. Cavalier's Buttercup of High Point 138016 A. R.

CLASS D—Three and One-Half to Four Years

*R¶°26468 Gaiety's Foremost Violet 233348 12499.7 736.3 5.89 3—11 Daniel Scocozza, Ashland, N. Y.
S. Gaiety's Foremost Boy 116308 D. Lone Pine Violet 168045
R25131 Coventry Clara Myrtle 226069 13062.3 684.9 5.24 3—10 Thurmond Chatham, Elkin, N. C.
S. Imp. Myrtle's Honour of Coventry 99373 D. Clara White 91403 A. R.
29972 Langwater Consort 2d 244741 13767.1 676.6 4.91 3—7 John S. Ames, North Easton, Mass.
S. Langwater Northerner 113149 A. R. D. Langwater Consort 177727 A. R.
¶29936 Mound View Erato 282407 12598.4 570.0 4.52 3—11 Th. Rasmussen & W. Matthiesen, Eagle River, Wis.
S. Mound View Butter Boy 134276 D. Mound View Echo 228195 A. R.
29980 La Ursula of Santa Cruz 229323 10934.5 516.9 4.73 3—10 Est. James A. Brown, Capitola, Calif.
S. Golden Sequel of Santa Cruz 83443 A. R. D. Joker's Angelina Grace of Two Bar Creek 120242
29915 Falcon's Vanity 243256 9730.6 515.5 5.30 3—7 B. Austin Cheney, Litchfield, Conn.
S. Falcon's Norfolk Aggie 121684 A. R. D. Falcon's Fashion Plate 101874 A. R.
29949 Aiyukpa K. Sapphire 233738 9541.5 482.3 5.05 3—8 Noyes L. Avery, Eastmanville, Mich.
S. Langwater Eastern King 63072 A. R. D. Lone Pine Daughter's Diamond 135310 A. R.
29924 Meadow Spring Colonial Girl 236940 9918.1 471.3 4.75 3—10 A. P. Irwin, Chadds Ford Junction, Pa.
S. Brookmead's Dimple's Stars and Stripes 110632 D. Avaleith's Colonial Girl 109002
R26756 Langwater Queen's Fancy 264807 11122.1 465.8 4.19 3—10 John Endicott, Bloomfield Hills, Mich.
S. Langwater Horatius 63071 A. R. D. Imp. Queen's Fairy of Hillside 137117 A. R.
30013 Harmony of Primrose 239849 9526.2 406.3 4.27 3—6 Mort Woods, Ardmore, Okla.
S. Langwater General Jacqueminot 72726 A. R. D. Cherry of Primrose 152957

CLASS E—Three to Three and One-Half Years

R°27363 Cavalier's Fancy 244089 14346.0 762.4 5.31 3—4 Pedigreed Seed Co., Hartsville, S. C.
S. Coker Cavalier 111753 A. R. D. Princess Blonda of Scotland 146683
29999 Argilla Starling 251192 11103.5 649.3 5.85 3—1 S. M. Merrill, Ipswich, Mass.
S. Langwater Sentinel 44805 A. R. D. Argilla Royal Star 195510
R26982 Loma Jennie 257162 12598.6 643.3 5.11 3—4 L. G. & M. Y. Kaufman, Marquette, Mich.
S. Cherub's Royal Defender of Shorewood 96270 A. R. D. Jennie Robena of Dunfernline 76159 A. R.
29998 Scottland Farms Ladyofthelake 299043 12929.8 618.4 4.78 3—3 R. F. Locke, Cressey, Mich.
S. Kathryn's Africander of White Farms 108105 A. R. D. Pride's Golden Belle 173016
29983 Lady Dawn of Hon Terra 264216 12364.0 605.6 4.90 3—1 J. A. Eisele, Oklahoma City, Okla.
S. Betty's Master of Iowanola 83384 A. R. D. Easter Lily of Barnegat 175193
¶29987 Rambleton Sunflower 252803 9102.7 564.0 6.20 3—2 Robert W. Hare, Sharon, Mass.
S. Langwater Rambleton 89963 A. R. D. Sunflower of Bayside 187106 A. R.
29974 Rancho Coronation's Milly 323941 11367.4 552.8 4.86 3—3 D. O. Brant, Canoga Park, Calif.
S. Coronation of the Rancho 85559 A. R. D. Millicent of the Rancho 120785 A. R.
R27156 Hardwick's Bloom 256715 9204.1 548.0 5.95 3—1 Henry W. Leeds, Westville, N. J.
S. Mixter Hardwick 107510 A. R. D. Glenburnie Blossom 137736 A. R.
†29916 Dunwalke Buttercup's Valentine 253065 10293.1 544.7 5.29 3—3 Clarence Dillon, Bedminster, N. J.
S. Imp. Valentine Golden Noble IV. 123768 A. R. D. Imp. Buttercup of Beaulieu 190652 A. R.
29934 Pydie Ruby 250545 13775.8 542.0 3.93 3—5 J. L. Pratt, Fredericksburg, Va.
S. Kinloch's Jesse of Morning View 111892 D. Maxine Ruby of Hartzell 126996
30008 Steele's Hill Audrey 241983 10846.5 532.8 4.91 3—5 Est. C. H. Tyler, Sanbornton, N. H.
S. Steele's Hill Daniel Gage 69319 A. R. D. Steele's Hill Margaret 196027
29982 Cooper's Admiration 247612 11758.5 498.4 4.24 3—4 Tom Cooper, Ardmore, Okla.
S. Royal Champion's Secret Cherub 101857 A. R. D. Lucile Admiration 195445 A. R.
29926 Glenwood's Darling of Locust Grove 250181 8465.2 479.1 5.66 3—4 Henry W. Leeds, Westville, N. J.
S. Glenwood Valiant 115196 D. Glenburnie Daffodil 175872 A. R.
29981 Cherub's Lily Fern 254562 10879.8 474.1 4.36 3—2 Lucius B. Compton, Asheville, N. C.
S. Itasca Double Cherub 113094 A. R. D. Rose of Becker Homestead 199816
29937 Valiant Iris 244043 10310.9 471.4 4.57 3—5 J. B. Roddey, Colbumbia, S. C.
S. Glen Gable Valiant 81444 A. R. D. Iris of Edgewood 2d 197997
29971 Imp. Wilson Lady of Lilyvale 287247 8464.0 421.3 4.98 3—0 Adohr Stock Farms, Reseda, Calif.
S. Billy May Rose of the Masse R. G. A. S. 5111 P. S. D. Lady Wilson of St. Martins R. G. A. S. 26785 P. S.
29961 Jane Bellaire of Stafford 250198 9154.9 409.7 4.48 3—5 L. S. Riford & T. M. Staples, Auburn, N. Y.
S. La Vanne's El Moore's Last Boy 109140 D. Margaret Bellaire of Stafford 86700
29913 Midvale Sunflower 248891 9229.2 402.4 4.36 3—4 William Butterworth, Moline, Ill.
S. Laudholm Sentinel 62565 A. R. D. Midvale Milkmaid 2d 196741 A. R.
†30011 Lillie Joan of Versailles 261974 7509.2 393.6 5.24 3—0 H. A. Wise, Versailles, Ohio.
S. Golden Anna's May Sequel 103830 D. Jewel of Versailles 213035
†29985 Marigold of Waltona 262662 7352.0 357.2 4.86 3—1 Mr. & Mrs. Walter F. Hach, Medina, Ohio.
S. King Strongheart of Elgercon 116270 D. Pride of Pleasant Valley 175095 A. R.
†30014 Grassland Valeria 241741 7297.0 332.8 4.56 3—5 Doris Woodward, Taconic, Conn.
S. Grassland Polly's Valentine 98473 A. R. D. Grassland Wayward Wardena 129938 A. R.

†29970 Grassland Vale 250879 6440.1 299.7 4.65 3—0 E. G. Woodward, Salisbury, Conn.
S. Grassland Polly's Valentine 98473 A. R. D. Rockingham's May Nip 80386

CLASS F—Two and One-Half to Three Years

°29920 Green Meadow May Star 324923 14960.3 760.6 5.08 2—9 Arthur G. Galusha & Sons, Williamstown, Mass.
S. Green Meadow Coronation Prince 125281 D. Waddington May Star 174259

°29948 Wendmere Victoria 251720 14727.7 711.3 4.83 2—10 August Ziesing, Deerfield, Ill.
S. Atamannsit Honorable Warrior 85022 A. R. D. Planet's Victoria 174591

°29922 Butterfat Fashion Girl 265848 11719.9 674.2 5.75 2—8 George M. Hendee, Suffield, Conn.
S. Imp. Primrose's Butterfat 104967 A. R. D. Fashion Girl of Hilltop 156830

29969 Meredith Promise 330451 9935.0 614.5 6.19 2—11 Edward Wigglesworth, Topsfield, Mass.
S. Atamannsit Leader 85020 A. R. D. Upland's Portia 147882 A. R.

29959 Bonnie Brae Fawn 273850 10397.8 568.3 5.47 2—6 John E. McLoughlin, Clinton, N. Y.
S. Valley Scout 127296 D. Flintarrow Indian Maid 209388 A. R.

29929 Fayroyal's Folly 277101 10171.4 554.2 5.45 2—7 J. C. Penney-Gwinn Corp., Hopewell Junction, N. Y.
S. May Royal's Majesty 117245 A. R. D. Mixter Golden Pendant 166726 A. R.

¶29917 Positive's Ultra 262615 10307.8 533.7 5.18 2—9 D. Frank Dillon, Leominster, Mass.
S. Roughwood Proof Positive 109178 D. Ultra Delta 117448

29976 Rancho Omar's Twinkle Star 331627 9453.8 525.5 5.56 2—8 D. O. Brant, Canoga Park, Calif.
S. Omar of the Rancho 77484 A. R. D. Twinkle Star of the Rancho 172578 A. R.

29950 Douglaston Eleanor Provence 264252 10021.4 524.9 5.24 2—6 B. H. Treadwell, Henderson Harbor, N. Y.
S. Waldorf Paramount 132649 D. Waldorf Rose-Marie 217611 A. R.

¶29942 Imp. La Belle Cyrene 305202 10599.7 519.1 4.90 2—11 A. D. Thayer, Gwynedd Valley, Pa.
S. Imp. Renown of Myrtle Place 145068 A. R. D. Cyrene's Dolly of Les Rouvets R. G. A. S. 20051 P. S.

29933 Miss Lindy of Sherwood Forest 264126 9231.8 504.7 5.47 2—9 J. L. Pratt, Fredericksburg, Va.
S. Marie's Sitting Bull of Glencairne 65366 D. Mo Lee 53902

29947 Wendmere Hope 263903 8976.2 495.3 5.52 2—9 August Ziesing, Deerfield, Ill.
S. Cherry's Regent 54953 A. R. D. Fillmore's Mary May 2d 85039 A. R.

29956 Woodbine's King's Alba 266185 8576.3 493.3 5.75 2—9 Gayoso Farm, Horn Lake, Miss.
S. Woodbine's King of Beechwood 82949 A. R. D. Imp. Golden Surprise of Albamont 110231

29993 St. Croix Millicent 259268 10353.5 484.2 4.68 2—9 Paul R. Johnson, Independence, Kansas.
S. St. Croix Josie's Masher 95303 A. R. D. St. Croix Mayflower 204653 A. R.

29955 Gayoso Actor's Verena 330958 8712.1 458.3 5.26 2—6 Gayoso Farm, Horn Lake, Miss.
S. Langwater Actor 60162 A. R. D. Express Virginia of Gayoso 125438 A. R.

29975 Rancho Omar's Gussie 329009 8855.8 411.9 4.65 2—7 D. O. Brant, Canoga Park, Calif.
S. Omar of the Rancho 77484 A. R. D. Gussie of Palmhurst 102482 A. R.

†29945 Charmaine of Norcrest 254023 7129.0 401.2 5.63 2—9 E. G. Woodward, Salisbury, Conn.
S. Pride of Woody Brook 129360 D. Cosy Bee of Elm Tree 165241 A. R.

†29986 Mignonette of Waltona 267879 7652.6 381.9 4.99 2—10 Mr. & Mrs. Walter F. Hach, Medina, Ohio.
S. King Strongheart of Elgercon 116270 A. R. D. Lassie of Waltona 196358 A. R.

29941 Defiance's Bell 271280 8816.5 357.3 4.05 2—6 A. & M. College of Texas, College Station, Texas.
S. Kitchener's Defiance of Iowanola 77545 D. Silver Bell of Jean Du Luth 126334 A. R.

†29990 Escalon Matilda 338127 6354.1 322.4 5.07 2—6 A. B. Humphrey, Escalon, Calif.
S. Shorewood Courageous 112618 A. R. D. Escalon Maud 156815 A. R.

CLASS G—Under Two and One-Half Years

*¶°30016 Chuckanut Linneta 288172 13156.9 823.9 6.26 2—0 D. W. Barclay, Burlington, Wash.
S. Chicona Belmont 104979 A. R. D. Linneta of Riverview 165566 A. R.

*°30017 Chuckanut Princess 290225 17566.9 809.3 4.61 1—11 D. W. Barclay, Burlington, Wash.
S. Chicona Belmont 104979 A. R. D. Sam's Princess Zita of Shannondale 206407 A. R.

°29991 Ames Jewel Lass Alpha 283075 12760.0 651.3 5.10 2—4 Iowa State College, Ames, Iowa.
S. Cherub's Jewel's King 133710 D. Ames Cherry Queen Theta 202956

°29973 Rancho Cavalier's Priscilla 329945 12952.7 634.8 4.90 2—7 D. O. Brant, Canoga Park, Calif.
S. Cavalier of the Rancho 122710 A. R. D. Glen Gable Priscilla 169784 A. R.

°29988 Dunwalke Countess 268298 13139.9 616.5 4.69 2—4 J. L. Hope, Madison, N. J.
S. Imp. Blanchette's Butterfat 104968 A. R. D. Imp. Valentine's Princess of Passee Villa II. 190664 A. R.

29931 May Royal's Fleckie 277109 11498.4 599.8 5.22 2—5 J. C. Penney-Gwinn Corp., Hopewell Junction, N. Y.
S. Mixter May Royal 65203 A. R. D. Peach Blossom of the Prairie 126063 A. R.

¶29935 Mount Hope Provider 262233 13400.5 594.0 4.44 2—5 E. Parmalee Prentice, Williamstown, Mass.
S. Itchen King 49803 A. R. D. Mount Hope Miracle 175029 A. R.

29932 Superb's Flower 269697 10686.8 590.7 5.53 2—6 J. C. Penney-Gwinn Corp., Hopewell Junction, N. Y.
S. Foremost's Superb 130291 A. R. D. Ultra May Flower 190174

29923 Hilltop Que Vive Honeymoon 279079 9226.3 578.9 6.27 2—3 George M. Hendee, Suffield, Conn.
S. Butterfat Que Vive 131222 D. Imp. Hilltop Butterfat's Honeymoon 175176 A. R.

29938 Gippy Anne 275567 11045.1 578.2 5.23 2—0 Nicholas G. Roosevelt, Moncks Corner, S. C.
S. Rose Vista Raymost 88816 A. R. D. Anna of Avoca 120705 A. R.

29967 Maplewood Ruby Chimes 276224 11778.0 575.2 4.88 2—3 Fred A. Westover, Auburn, N. Y.
S. Maple Glen Zev 95648 A. R. D. Maple Glen Rubydale 173092

29946 Constance of Thorn Hill 281528 9495.5 560.4 5.90 2—3 August Ziesing, Deerfield, Ill.
S. Aiyukpa Itchen Daisy's Africander 113536 A. R. D. Nakena's Sequel of River Banks 2d 181699

29939 Gippy Gloriana 275566 11584.9 557.5 4.81 2—4 Nicholas G. Roosevelt, Moncks Corner, S. C.
S. Winston Farms Glory Boy 86192 A. R. D. Mixter Annabelle 79726 A. R.

29943 Jewel of Mirador 268562 11086.2 530.0 4.78 2—4 Ronald Tree, Greenwood, Va.
S. Fanchon's Sentry of Linda Vista 67643 A. R. D. Imp. Jessica's Jewel II. of Dairy Farm 149213

29996 Greyholme's Proud Marvina 267900 11019.0 514.1 4.67 2—4 C. Prescott Knight, East Greenwich, R. I.
S. Falcon's Hunter 85467 A. R. D. Greyholme's Chieftain's Marvina 171582 A. R.

29977 Rancho Starlight's Frances 331834 11250.5 509.7 4.53 2—4 D. O. Brant, Canoga Park, Calif.
S. Rancho King Starlight 155251 D. Rancho Cavalier's Frances 267976 A. R.

29958 Dimple's Dot of Woodland Echo 277291 10468.8 497.4 4.75 2—5 University of Illinois, Urbana, Ill.
S. Itasca Cherub's Yeoman 116922 D. Pearl's Dimple of Woodland Echo 198829

29954 Gayoso Actor's Cordelia 267012 8569.0 443.1 5.17 2—4 Gayoso Farm, Horn Lake, Miss.
S. Langwater Actor 60162 A. R. D. Cordelia of Killarney Farms 113866 A. R.
¶29925 Renown's Choice Velma 269643 8950.0 437.3 4.89 2—4 A. D. Lasker, Everett, Ill.
S. Imp. Renown of Myrtle Place 145068 A. R. D. Raider's Choice Velma 222090
29927 Hardwick's Daisy 278506 7612.3 392.1 5.15 2—1 Henry W. Leeds, Westville, N. J.
S. Mixter Hardwick 107510 A. R. D. Glenburnie Daffodil 175872 A. R.
29957 Marjohnelle Royal Adelaide 268822 8201.3 380.5 4.64 2—4 John M. Greissell, Flint, Mich.
S. Royal Heritage 141241 D. Della of Echo Lodge 195253 A. R.
¶29995 Resthaven Dairymaid 277494 7784.0 362.0 4.65 2—2 W. S. Kidder, Troy, Ohio.
S. Tom Tucker of Elgercon 113240 A. R. D. Resthaven Queenie 242760 A. R.
†29940 Schaaffield Ignace's Isis 272543 7818.0 343.4 4.39 2—3 H. Schaaf, Chatham, N. Y.
S. Bosworthfield Ignace 113171 D, Bosworthfield Isis 190342 A. R.
¶29994 Resthaven Clarabelle 280633 7650.7 327.7 4.28 2—2 W. S. Kidder, Troy, Ohio.
S. Tom Tucker of Elgercon 113240 A. R. D. Resthaven Clara 242759
†29989 Escalon Lola 334485 5258.8 320.7 6.10 2—1 A. B. Humphrey, Escalon, Calif.
S. Shorewood Courageous 112618 A. R. D. Escalon Lois 224754 A. R.

Double Letter Class¶ Triple Letter Class† Class Leader * Exceeds Requirement by 100% or over ° Re-entries R

NEW A. R. SIRES WITH THEIR A. R. DAUGHTERS AND THEIR RECORDS

Al-Beu Farm's Lavanton 64861

Sire, Lavanton of Rich Neck 43593 A. R.
Dam, Heartsease of Rich Neck 3d 60559 A. R. 7013.
Born Jan. 21, 1920. Bred by C. A. Hofferberth, Ashburn, Va.
Owned by George R. Bready, Herndon, Va.
Daughters, 6 registered.

	Lbs. Milk	Lbs. B. F.	Class
Al-Beu Farm's Violet 197373 A. R. 27529	10820.2	460.7	A
Al-Beu Farm's Holly 177780 A. R. 29921	10619.7	502.3	A

Sons, 6 registered.

Foremost's Superb 130291

Sire, Langwater Foremost 39191 A. R.
Dam, Golden Windflower 155557 A. R. 19827.
Born Mar. 16, 1926. Bred by J. C. Penney, Hopewell Junction, N. Y.
Owned by J. C. Penney-Gwinn Corp., Hopewell Junction, N. Y.
Daughters, 17 registered.

	Lbs. Milk	Lbs. B. F.	Class
Superb's Viking's Zelia 263750 A. R. 28614	9885.8	624.2	F
Superb's Flower 269697 A. R. 29932	10686.8	590.7	G

Sons, 10 registered.

Luxerin Bruno 80176

Sire, Dairymaid's Nonpareil of Iowa 26763 A. R.
Dam, Rosina of Fond du Lac 71093 A. R. 10197.
Born Feb. 1, 1922. Bred by B. F. Sheridan, Fond du Lac, Wis.
Owned by T. S. Van Natta, Potosi, Wis.
Daughters, 26 registered.

	Lbs. Milk	Lbs. B. F.	Class
Maple Crest Hazel 239545 A. R. 28699	11872.0	556.5	EE
Maple Crest Lorna 216272 A. R. 29952	11452.0	605.8	B

Sons, 22 registered.

Maple Glen Romeo 72563

Sire, Langwater Volunteer 60389.
Dam, June Frost of Maple Glen 54333 A. R. 7439.
Born April 27, 1921. Bred by L. L. Coggshall, Locke, N. Y.
Owned by The Alderneys, Inc., Poughkeepsie, N. Y.
Daughters, 13 registered.

	Lbs. Milk	Lbs. B. F.	Class
Greystone's Lily 162556 A. R. 19770	9580.7	474.5	G
Greystone Juliet 202977 A. R. 29960	8637.5	436.1	A

Sons, 5 registered.

Glen Gable Anchora 75076

Sire, Langwater Cyclop 38326 A. R.
Dam, Minnie Anchora 21634 A. R. 5059.
Born July 24, 1921. Bred by William F. Gable, Wyebrooke, Pa.
Owned by E. B. McCutchen, Bishopville, S. C.
Daughters, 17 registered.

	Lbs. Milk	Lbs. B. F.	Class
Bishopville Countess Closel 197391 A. R. 24653	9499.3	482.5	D
Re-entry:	10815.3	561.5	A
Nosegay of Oakwood 309983 A. R. 29978	8601.1	502.3	CC

Sons, 9 registered.

Golden Sequel of Santa Cruz 83443

Sire, Imp. Golden Hero of Beauregard 30666 A. R.
Dam, Imp. Blossy of the Caillioterie 53625 A. R. 12822.
Born Dec. 19, 1921. Bred by James A. Brown, Capitola, Calif.
Owned by H. O. Mohler, Ripon, Calif.
Daughters, 22 registered.

	Lbs. Milk	Lbs. B. F.	Class
La Primula of Santa Cruz 226061 A. R. 26104	9712.2	443.3	EE
La Lucetta of Santa Cruz 226065 A. R. 29979	8573.3	472.6	B
La Ursula of Santa Cruz 229323 A. R. 29980	10934.5	516.9	D

Sons, 14 registered.

Itasca Double Cherub 113094

Sire, Cherub's Yeoman of Shorewood 55074 A. R.
Dam, Itasca Cherub's Faithful 190224.
Born Jan. 14, 1925. Bred by A. L. Sheldon, Grand Rapids, Minn.
Owned by Spillers and Worch, Versailles, Ohio and Emmert E. Koons, Dayton, Ohio.
Daughters, 6 registered.

	Lbs. Milk	Lbs. B. F.	Class
Goldmead's Dripping Gold 224648 A. R. 26955	9042.5	430.3	F
Re-entry:	13991.0	617.3	C
Cherub's Lily Fern 254562 A. R. 29981	10879.8	474.1	E

Sons.

King Strongheart of Elgercon 116270

Sire, Shuttlewick Strongheart 88055 A. R.
Dam, Lorna Doone of Elgercon 124285 A. R. 16575.
Born Aug. 12, 1925. Bred by Mrs. Gertrude L. C. Tucker, Willoughby, Ohio.
Owned by Mr. & Mrs. Walter F. Hach, Medina, Ohio.
Daughters, 5 registered.

	Lbs. Milk	Lbs. B. F.	Class
Marigold of Waltona 262662 A. R. 29985	7352.0	357.2	EEE
Mignonette of Waltona 267879 A. R. 29986	7652.0	381.9	FFF

Sons, 4 registered.

President of City View 65952

Sire, President Bell Buoy of City View 55902.
Dam, Flora's Cream Cup of City View 99113 A. R. 8562.
Born Sept. 9, 1919. Bred and owned by O. R. Schwalen, Roberts, Wis.
Daughters, 21 registered.

	Lbs. Milk	Lbs. B. F.	Class
Sunbeam's Radiance of City View 166771 A. R. 23260	13305.3	654.4	CC
President's Lassie of City View 149981 A. R. 29992	11096.9	501.4	A

Sons, 20 registered.

Sir Glenrose of France 2d 33039 (Dead)

Sire, Sir Glenrose of France 15337.
Dam, Nantaska 5th 35253.
Born Nov. 24, 1913. Bred by James M. Codman, Brookline, Mass.
Owned by Est. James M. Codman, Brookline, Mass.
Daughters, 11 registered.

	Lbs. Milk	Lbs. B. F.	Class
Breidablik Natelka 79077 A. R. 13220	11287.4	538.9	CC
Nashua Daisy 85051 A. R. 30003	12494.9	610.6	A

Sons, 16 registered.

Orchard View Fashion 86645

Sire, Atamannsit Faithful Foremost 69134.
Dam, Mercer's Pinecrest Katharine 44492 A. R. 12937.
Born Feb. 13, 1923. Bred by Howard Atwood, Bolton, Mass.
Owned by Miss Clara Endicott Sears, Harvard, Mass.
Daughters, 16 registered.

	Lbs. Milk	Lbs. B. F.	Class
Nashua Moonbeam 193760 A. R. 29766	13072.7	686.8	A
Nashua Jubilee 220866 A. R. 30004	11440.0	628.4	C

Sons, 1 registered.

Golden Jerry of Versailles 79961

Sire, Imp. Goldmead's Choice of Island 60117.
Dam, Grace B. of Baw Beese Farm 92716.
Born Oct. 1, 1921. Bred and owned by H. A. Wise, Versailles, Ohio.
Daughters, 4 registered.

	Lbs. Milk	Lbs. B. F.	Class
Delco Del of Versailles 208229 A. R. 29251	8891.3	461.7	B
Lady of Versailles 208230 A. R. 30010	10331.2	489.9	A

Sons, 3 registered.

Prince of Sunny Ridge 111887

Sire, Luxerin Arbor 70540.
Dam, Flossy of Sunny Ridge 124143.
Born July 24, 1924. Bred by H. S. Coulter, Randolph, Wis.
Owned by Walter A. Dengler, Davenport, Iowa.
Daughters, 13 registered.

	Lbs. Milk	Lbs. B. F.	Class
Marie's Florence 325143 H. I. 340	5890.0	362.0	FHI
Rosetta Rose 244559 H. I. 341	7870.2	363.9	DHI

Sons, 9 registered.

HERD IMPROVEMENT RECORDS

Approved Records H. I. 340 to H. I. 349

(Grade records and records that did not qualify are also listed)

H. I.	NAME AND NUMBER	Class	Req. of B. Fat	Days in Milk	Number Milkings Daily	Lbs. Milk	% of B. Fat	Lbs. B. Fat
	Dengler, Walter A., Eldridge, Iowa.							
	Buttercup (grade)	DHI	321.0	310	2–306 d; 1–4 d.	6414.7	6.07	389.5
	Carnation's Betty Ann 280541	BHI	349.3	328	2–327 d; 1–1 d.	5958.0	5.43	323.4
	Clorinda of Valley View 103996	AHI	360.0	326	2–322 d; 1–4 d.	6871.0	4.38	301.2
	Clorinda's Marie 180899	AHI	360.0	318	2–314 d; 1–4 d.	5677.2	5.16	293.1
	Jeanette (grade)	AHI	360.0	312	2–312 d.	7976.6	5.67	451.9
	Marie's Dorothy 180900	AHI	360.0	303	2–300 d; 1–3 d.	5834.1	5.69	332.2
340	Marie's Florence 325143	FHI	276.8	309	2–306 d; 1–3 d.	5890.0	6.15	362.0
	Queen (grade)	GHI	261.1	312	2–309 d; 1–3 d.	8055.1	5.58	449.6
341	Rosetta Rose 244559	DHI	306.4	331	2–331 d.	7870.2	4.62	363.9
	Rosy (grade) About 4 yrs. old	CHI	323.5	298	2–295 d; 1–3 d.	7580.3	4.91	371.9
	Lykes, F. E., Milton Farms, Arden, North Carolina.							
342	Foremost Marie 259398	FHI	269.4	334	2–331 d; 1–3 d.	7154.9	5.89	421.7
343	Regent's Minnie of Plumtree 169457	AHI	360.0	302	2–300 d; 1–2 d.	9999.2	5.46	545.7
344	Sophia's Foremost Girl 252666	FHI	275.8	333	2–333 d.	7003.1	5.17	362.3
	Storrow, James J., Mrs., Storrow Farm, Lincoln, Massachusetts.							
345	Argilla May Claire 224407	CHI	330.1	332	2–320 d; 1–12 d.	8232.7	6.84	563.2
346	Argilla May Star 216586	CHI	339.6	321	2–307 d; 1–14 d.	8651.7	5.28	456.7
	Argilla Moonbeam 238467	DHI	315.6	303	2–283 d; 1–20 d.	4727.0	5.09	240.8
347	Argilla Nanette 195507	AHI	360.0	318	2–301 d; 1–17 d.	10168.3	4.29	436.3
348	Roughwood Sunlight 215458	BHI	351.8	347	2–333 d; 1–14 d.	8553.4	5.58	476.9
	Williams, Richard E., Nakoma Farms, Fairport, New York.							
R13	Elsie Daisy of Walnut Lawn 237556	CHI	325.7	300	2–300 d.	7749.6	4.20	325.2
349	Transaval Joan 272833	FHI	285.9	331	2–331 d.	6984.3	4.86	339.1
	Re-entries R.							

Advanced Register Notes

(*Continued from page 23*)

The following is a list of animals having three or more Advanced Register records, the last one of which has become official since the last publication of the Journal:

Gracieuse Barbi 203645

Lbs. Milk	Lbs. B. Fat	Class
11243.2	671.5	F
11575.3	703.0	D
12930.2	752.6	A

Owner: S. M. Shoemaker, Eccleston, Maryland.

Brookfield Wyoming 180451

Lbs. Milk	Lbs. B. Fat	Class
11290.3	570.8	AA
12745.8	678.2	A
13502.9	719.7	AA
15038.9	773.4	A
11576.3	629.1	A

Owner: S. M. Merrill, Ipswich, Massachusetts.

Escalon Phoebe 227432

Lbs. Milk	Lbs. B. Fat	Class
6551.6	400.0	GGG
8357.0	531.9	CCC
8511.8	515.3	AAA
9617.7	581.7	AAA

Owner: A. B. Humphrey, Escalon, California.

Gayoso Edna Louise 154129

Lbs. Milk	Lbs. B. Fat	Class
11022.7	600.2	G
14928.0	752.0	EE
17140.5	902.2	A

Owner: Tom Cooper, Ardmore, Oklahoma.

A Correction

In the May 1 Journal on page 479, under the new Advanced Register Sires, Beauty's Champion II. of the Rouvets R. G. A. S. 5142 P. S. was listed as being owned by J. A. Simon, Island of Guernsey. This was an error, for "Beauty's Champion" is owned by Chilcott and Sons, Limited, The Grove, St. Martin's.

A B C of Breeding

(*Continued from page 10*)

be massed together in an army, would make a speck about as large as the head of a pin. Nevertheless, by microscopic methods it is possible to measure them.

Now add to this fact another. If mating takes place before the ova are discharged from the ovaries, the sperm have to wait until they are. If there are conditions such as higher temperature, acidity, different concentration of medium, etc., in the female reproductive tract, where the sperm have to do their waiting, then the ones that are largest can best survive. This would mean, therefore, that where mating takes place before ovulation, a somewhat greater percentage of females would be produced. It might also mean that the smaller male producing sperm would be somewhat more active, and that if mating takes place at the time of, or following ovulation, then they would be the first to reach the goal and fertilize the ovum. That would mean that mating late in the period would produce more males and mating early in the period would produce more females. And as I say, there seems to be a little evidence, anyway, that such is the case.

In the next issue we shall consider other misbeliefs such as prenatal influence, birth marks, telegony and the inheritance of acquired characters.

Largest Producing Small Herd

Three Guernsey cows, owned by Harry C. Evans of Fort Collins, Colorado, made up the largest producing small dairy herd in the state for the month of May. These cows produced an average of 792.0 pounds of milk and 42.2 pounds of butter fat per cow.

Missouri Guernseys Good Producers

Ten pure bred Guernseys owned by Parminter and Sons of Lockwood, Missouri, won first place in the Dairy Herd Improvement Association at Mr. Vernon, for the month of May with an average of 838.0 pounds of milk and 43.3 pounds of butter fat. A herd of sixteen Guernseys, owned by Don D. Johnson, won second place with an average of 838.0 pounds of milk and 42.9 pounds of butter fat.

TEN LEADING COWS

In the Several Classes of the Advanced Register

		Lbs. Milk	% B. F.	Lbs. B. F.	% of requirement
CLASS A Five Years and Over. Minimum Requirement 400.0 lbs. Butter Fat. Includes both the Single and Double Letter Classes. Duration of record, 365 days.	Countess Prue 43785 A. R. 6909	18626.9	5.92	1103.3	275.8
	Murne Cowan 19597 A. R. 1906	24008.0	4.57	1098.2	274.5
	May Rilma 22761 A. R. 1726	19673.0	5.46	1073.4	268.4
	Marigold of Elgercon 137240 A. R. 22343	19697.5	5.22	1028.3	257.1
	Gertrude Claire 99550 A. R. 15917	20738.1	4.92	1020.0	255.0
	Nella Jay 4th 38233 A. R. 3194	20709.9	4.92	1019.3	254.8
	Langwater Nancy 27943 A. R. 1826	18783.5	5.39	1011.7	252.9
	Dairy Maid Queen of Spring Hill 74067 A. R. 8231	18180.7	5.56	1011.2	252.8
	Proud Dora of Echo Glade 151373 A. R. 16679	19147.5	5.26	1007.1	251.8
	Langwater Hope 27946 A. R. 1978	19882.0	5.05	1003.2	250.8
CLASS B Four and One-Half to Five Years**. Minimum Requirement 381.8 lbs. Butter Fat. Includes both the Single and Double Letter Classes. Duration of record, 365 days.	Anesthesia Faith of Hill Stead 114354 A. R. 12732	19741.9	5.64	1112.5	279.8
	Edna of Mountain View 70827 A. R. 8706	16151.6	5.78	933.1	234.7
	Palotterie of High Rock 187483 A. R. 24039—BB	16147.3	5.71	921.4	234.4
	Fannie of Moorland Farm 129904 A. R. 12741	18090.5	5.08	919.2	236.1
	Martha of Thousand Springs 159971 A. R. 17984	19099.5	4.81	919.2	230.1
	Marshie D. V. 67481 A. R. 6858	14729.9	6.21	915.1	229.0
	Hylan Cottage Lassie 119573 A. R. 19643	17081.2	5.35	913.2	233.8
	Dairymaid of Pinehurst 24656 A. R. 843	17285.3	5.27	910.7	234.5
	Regina of Fairydale 134075 A. R. 14726	16105.1	5.63	906.7	229.7
	Kate of Farview 82754 A. R. 11926	19227.8	4.71	905.7	229.3
CLASS C Four to Four and One-Half Years**. Minimum Requirement 363.5 lbs. Butter Fat. Includes both the Single and Double Letter Classes. Duration of record, 365 days.	Cherub's Althea of Fair Meadows 145860 A. R. 21580	15277.6	6.06	926.2	243.8
	*Blue Blood's Ultra Maid 221558 A. R. 29483	16442.2	5.57	916.4	242.3
	*Rilma's Cathedral Rose 213339 A. R. 24688	18331.7	4.98	913.4	241.4
	Norman's Missaukee Red Rose 89724 A. R. 10844	17527.2	5.14	900.7	239.3
	Gertrude Claire 99550 A. R. 15917	18942.5	4.72	893.4	243.2
	Pearl Rose of the Glen 47414 A. R. 4900	16855.6	5.25	884.2	231.8
	Winnie of Roughwood 96448 A. R. 12643	16185.5	5.46	883.1	231.4
	Langwater Zara 89273 A. R. 10632	14653.6	5.85	857.6	226.6
	*Peggy's Mary May 2d 221505 A. R. 29912	13531.9	6.33	856.3	227.8
	Azucena's Pride 2d 24957 A. R. 1469	16203.9	5.28	855.7	232.7
CLASS D Three and One-Half to Four Years**. Minimum Requirement 345.3 lbs. Butter Fat. Includes both the Single and Double Letter Classes. Duration of record, 365 days.	Green Meadow Lustre 226332 A. R. 25816	16371.8	5.98	978.3	270.8
	Atamannsit La Noce 162411 A. R. 20367	15328.4	6.09	933.3	263.0
	La Noce's May Rose 91329 A. R. 11788	18119.9	5.15	932.8	266.0
	Convent's Ultra Queen Rose 127433 A. R. 16513	16598.0	5.51	915.2	257.7
	Dolly Dimple 19144 A. R. 628	18458.8	4.91	906.9	256.5
	Regent's Italia 106261 A. R. 16158	16825.3	5.25	882.8	251.8
	Cherub's Cora of Shorewood 83706 A. R. 9683	15498.9	5.61	869.6	246.8
	Destiny of Roughwood 152812 A. R. 19344	16572.3	5.20	861.8	245.5
	*Janet Hardwick 242390 A. R. 26489	15851.3	5.26	833.5	234.5
	Caribou Rosalie 131869 A. R. 13845	15721.6	5.29	832.2	231.9
CLASS E Three to Three and One-Half Years**. Minimum Requirement 327.0 lbs. Butter Fat. Includes both the Single and Double Letter Classes. Duration of record, 365 days.	Afterglow of Roughwood 84605 A. R. 10106	16815.7	5.22	878.2	255.1
	Palotterie of High Rock 187483 A. R. 24039	15882.9	5.45	865.5	251.7
	Jehanna Chene 30889 A. R. 2588	16186.7	5.33	863.4	251.1
	Dairymaid of Pinehurst 24656 A. R. 843	14562.4	5.91	860.3	260.3
	*Imp. Osceola Daisy of the Grove 275558 A. R. 29627	14089.7	5.97	840.5	254.6
	Merry Rose Maid 2d 209745 A. R. 23601	13424.9	6.24	837.4	244.4
	Imp. Dunwalk Gem's Beauty 190667 A. R. 22901—EE	15574.4	5.27	820.0	250.2
	Osceola Poundstock 171096 A. R. 20847	14842.6	5.49	814.4	236.1
	Shuttlewick's Jipsultana 108138 A. R. 13713	17429.3	4.63	807.3	235.1
	Portia of Thousand Springs 175074 A. R. 21289—EE	16683.4	4.80	801.3	236.4
CLASS F Two and One-Half to Three Years**. Minimum Requirement 308.8 lbs. Butter Fat. Includes both the Single and Double Letter Classes. Duration of record, 365 days.	Maxim's May Queen of Dassel 136484 A. R. 17894	13967.1	6.09	849.9	262.0
	Brightness of Indian Bridge 85110 A. R. 11524	14460.0	5.71	826.0	258.2
	Shorewood Mademoiselle 168410 A. R. 20965	12348.7	6.59	813.8	257.2
	Nella Jay of Pencoyd 77520 A. R. 8730	16325.6	4.97	810.6	250.3
	Katherine's Trixie 100396 A. R. 8580	18495.7	4.28	791.5	254.0
	Langwater Aline 264809 A. R. 27999	15415.7	5.12	788.7	253.8
	Gilmore's Diamond Dew 157648 A. R. 20310	15758.7	4.93	777.0	246.8
	Merry Lillian 118270 A. R. 15935	12625.9	6.13	774.5	245.9
	Langwater Hope 27946 A. R. 1978	15078.8	5.13	773.6	247.8
	Imp. Pearl of Rocque a Boeuf 94324 A. R. 11671	12929.3	5.98	773.4	242.4
CLASS G Under Two and One-Half Years**. Minimum Requirement 290.5 lbs. Butter Fat. Includes both the Single and Double Letter Classes. Duration of record, 365 days.	Florham Irene 239740 A. R. 25958	14646.9	6.18	905.0	303.8
	Loma Burnella 246171 A. R. 26388	12900.0	6.45	832.6	286.0
	Missaukee Blue Bell Jane 174479 A. R. 20509	15692.6	5.25	824.3	271.0
	*Chuckanut Linneta 288172 A. R. 30016—GG	13156.9	6.26	823.9	280.8
	Procris Snowdrop 120156 A. R. 14306	15487.7	5.31	822.2	278.8
	Crescent Pride 230939 A. R. 25873	15305.6	5.35	818.1	271.9
	*Chuckanut Princess 290225 A. R. 30017	17566.9	4.61	809.3	278.6
	Shuttlewick Levity 101850 A. R. 13362	16896.0	4.76	804.4	273.8
	Cathedral Kate 126395 A. R. 16125	16339.8	4.90	801.1	263.2
	Wyebrook Supreme Sunshine 161186 A. R. 18967	15151.7	5.27	797.8	269.3

Average Yield of 70 Class Leaders: 16549.2 lbs. Milk; 888.2 lbs. Butter Fat; 5.37 per cent.

The above are as they appeared June 15, 1932.

SUMMARY OF 27900 SINGLE LETTER RECORDS

	Records	Lbs. Milk	Lbs. B. F.	Per Cent
Class A	8448	11423.0	561.4	4.91
Class B	1826	11016.4	544.8	4.95
Class C	2082	10734.9	525.2	4.89
Class D	2283	10260.0	510.4	4.97
Class E	2663	9601.0	483.3	5.03
Class F	3473	9779.9	470.5	4.81
Class G	7125	9001.9	450.2	5.00
	27900	10253.2	506.3	4.94

Milk Production	Butter Fat Production
Best Year's Record 24008.0 lbs.	Best Year's Record 1112.5 lbs.
Av. Ten Largest Records 21344.4 lbs.	Av. Ten Largest Records 1048.5 lbs.

*First appearance in this list.

**Requirement: For each day over the minimum age add 0.1 lb. butter fat to the minimum requirement.

TEN LEADING COWS

In the Several Classes of the Roll of Honor

		Lbs. Milk	% B. F.	Lbs. B. F.	% of requirement
CLASS AA Five Years and Over. Minimum Requirement 400.0 lbs. Butter Fat. Must carry a calf for at least 265 days of the record. Duration of record, 365 days.	Silverwood Diana 82940 A. R. 13791	20006.4	4.87	974.8	243.7
	Golden Coronet of Jean Du Luth 81283 A. R. 10315	15485.9	6.26	968.8	242.2
	Pearl's Dot 57445 A. R. 6140	19602.5	4.93	965.8	241.5
	Jean Du Luth Coronet 52816 A. R. 6392	20004.0	4.76	952.3	238.1
	Topsy of Thousand Springs 137339 A. R. 18970	22000.4	4.23	931.4	232.9
	Imp. Betsy's Hopeful 150678 A. R. 19343	16071.8	5.71	918.0	229.5
	Imp. May Flower of Petite Cache 214443 A. R. 22565	15365.1	5.82	895.0	223.8
	Biddy of Topsham View Farm 91927 A. R. 16809	17027.4	5.21	886.3	221.6
	Moose Valley Charm 164310 A. R. 22390	18077.4	4.84	875.4	218.9
	Peggy of Killarney Farms 91658 A. R. 11147	16898.4	5.14	868.3	217.1
CLASS BB Four and One-Half to Five Years**. Minimum Requirement 381.8 lbs. Butter Fat. Must carry a calf for at least 265 days of the record. Duration of record, 365 days.	Palotterie of High Rock 187483 A. R. 24039	16147.3	5.71	921.4	234.4
	Mazie of Blue Clay 142616 A. R. 17644	16306.3	5.53	901.7	235.9
	Winnetuxet Debutante 165454 A. R. 20327	17479.0	4.85	848.6	216.6
	Florham Donna May 123982 A. R. 15716	14665.3	5.74	842.1	214.8
	Lone Pine Mollie Cowan 91285 A. R. 11728	16927.7	4.96	840.3	213.1
	Miss Bella of Rocky Reach 2d 68460 A. R. 12254	15084.0	5.47	825.3	206.8
	King's Itchen Goldie 96339 A. R. 13487	14371.9	5.66	813.3	210.2
	Betsy's Buttercup 164271 A. R. 23594	13777.0	5.88	810.1	211.3
	Maiden of High Rock 201414 A. R. 28435	12784.7	6.18	790.1	203.9
	Chedco Josephine 185397 A. R. 23608	12699.7	6.11	776.5	199.5
CLASS CC Four to Four and One-Half Years**. Minimum Requirement 363.5 lbs. Butter Fat. Must carry a calf for at least 265 days of the record. Duration of record, 365 days.	Lady Crescent's Ideal of El Jane 141951 A. R. 18127	16624.7	5.14	854.9	232.7
	Merry Rose Maid 105929 A. R. 13048	13944.3	5.90	822.3	217.4
	Bob's Elderon Mable 97880 A. R. 15484	16952.3	4.82	816.9	222.0
	Linden Girl of Harbor Hill 3d 58625 A. R. 4651	15032.9	5.23	785.9	207.0
	Galaxy's Violet of Mara Alva 74195 A. R. 11525	13722.2	5.69	781.1	213.7
	Trudie of High Rock 211369 A. R. 28092	13778.3	5.66	780.2	212.6
	*Forge Hill Laddie's Verette 225102 A. R. 23941	12046.3	6.39	769.2	201.6
	Lola of Crystal View 99673 A. R. 15965	14561.6	5.28	768.7	202.7
	Ultra of Edgemoor 107121 A. R. 14056	13529.1	5.67	767.3	209.1
	Clare of Gerar 4th 143955 A. R. 17496	12975.8	5.78	763.9	206.3
CLASS DD Three and One-Half to Four Years**. Minimum Requirement 345.3 lbs. Butter Fat. Must carry a calf for at least 265 days of the record. Duration of record, 365 days.	Pearl's Orpha 98429 A. R. 14851	15149.6	5.47	828.9	239.1
	Rilma of Bay Cliffs 93480 A. R. 11549	15684.7	5.24	821.7	232.9
	Delphine of Horton Farm 212480 A. R. 26592	14427.3	5.57	802.9	229.5
	Katonah's Dew Drop 76698 A. R. 8584	16505.5	4.76	786.0	217.3
	Imp. De Baugy's Daisy Rose 291726 A. R. 26726	16502.1	4.75	784.4	223.9
	Gerar Violet Cora 157602 A. R. 19456	15016.0	4.94	741.8	209.1
	Topsy's Golden Princess 224809 A. R. 22405	15966.9	4.64	741.6	210.3
	Rock Spring Coquette 214880 A. R. 28117	15715.5	4.72	741.1	204.3
	*Gaiety's Foremost Violet 233348 A. R. 26468	12499.7	5.89	736.3	203.1
	Foxburg's Oaks 184820 A. R. 24783	13645.6	5.37	733.1	203.7
CLASS EE Three to Three and One-Half Years**. Minimum Requirement 327.0 lbs. Butter Fat. Must carry a calf for at least 265 days of the record. Duration of record, 365 days.	Imp. Dunwalk Gem's Beauty 190667 A. R. 22901	15574.4	5.27	820.0	250.2
	Portia of Thousand Springs 175074 A. R. 21289	16683.4	4.80	801.3	236.4
	Rockmere's Cinderella 231483 A. R. 28376	14229.2	5.39	766.7	224.2
	Betsy's Carnation 184676 A. R. 22870	13747.3	5.52	758.7	228.6
	Gayoso Edna Louise 154129 A. R. 18935	14928.0	5.04	752.0	219.6
	Nelia of Millay's Homestead 152356 A. R. 20460	13780.7	5.45	750.7	221.6
	Daisy of Chicona 94894 A. R. 13460	12015.2	6.23	748.1	222.2
	Brilliant Lassie 86452 A. R. 11008	13870.0	5.38	746.3	217.3
	Forge Hill Laddie's Molly 225101 A. R. 23798	13254.9	5.60	742.2	220.1
	Goldmead's Bright Star 102077 A. R. 14720	15233.5	4.78	727.7	215.2
CLASS FF Two and One-Half to Three Years**. Minimum Requirement 308.8 lbs. Butter Fat. Must carry a calf for at least 265 days of the record. Duration of record, 365 days.	Gayoso Incavo's Princess 178772 A. R. 21820	13540.0	5.65	765.3	245.7
	*Roughwood Belle 256963 A. R. 29807	13047.8	5.78	754.8	234.7
	Chedco Moonbeam 217484 A. R. 25589	11986.0	6.26	750.6	243.1
	Mixter Faithful 101637 A. R. 11670	12601.9	5.91	744.7	241.2
	Guernest Ruth 76671 A. R. 9392	14357.2	5.17	742.9	231.9
	Troutmere Margie 214191 A. R. 25231	14342.0	5.11	732.8	235.2
	Wolfpen Nantilly 258027 A. R. 28672	11758.6	6.22	731.5	235.5
	Golden Coronet of Jean Du Luth 81283 A. R. 10315	12253.5	5.95	729.7	231.3
	Masher's Grand Courtils Lilac 271468 A. R. 26051	14593.8	4.91	715.9	223.1
	*Mount Hope Periwinkle 256531 A. R. 29904	13764.3	5.06	695.9	220.9
CLASS GG Under Two and One-Half Years**. Minimum Requirement 290.5 lbs. Butter Fat. Must carry a calf for at least 265 days of the record. Duration of record, 365 days.	*Chuckanut Linneta 288172 A. R. 30016	13156.9	6.26	823.9	280.8
	Daisy Princess of Millay's Homestead 206696 A. R. 24121	12545.1	6.24	783.3	255.1
	Birchfield Selma 168619 A. R. 20622	14496.8	5.32	771.7	250.8
	Norman's Missaukee Red Rose 89724 A. R. 10844	15122.3	5.03	760.7	254.3
	Wyebrook Glory 188200 A. R. 20499	13701.9	5.48	750.5	250.4
	Merry Rose Maid 105929 A. R. 13048	13138.4	5.63	740.0	244.2
	Beechford's Josephine 156216 A. R. 20571	12382.0	5.93	733.8	240.0
	Imp. Prospect's Rose des Houards 89003 A. R. 7549	13157.8	5.52	726.9	247.4
	Royal Princess Pat 243844 A. R. 26624	12109.6	5.94	719.8	237.1
	*Friendship R. Edith 276080 A. R. 29645	13672.9	5.22	713.8	235.7

Average Yield of 70 Class Leaders: 14773.2 lbs. Milk; 796.2 lbs. Butter Fat; 5.39 per cent.

The above are as they appeared June 15, 1932.

SUMMARY OF 6107 DOUBLE LETTER RECORDS

	Records	Lbs. Milk	Lbs. B. F.	Per Cent
Class AA	1766	10870.7	537.7	4.95
Class BB	449	10643.0	531.3	4.99
Class CC	570	10183.8	514.8	5.06
Class DD	562	9820.5	495.7	5.05
Class EE	620	9379.3	475.3	5.07
Class FF	751	8917.2	461.1	5.17
Class GG	1389	8745.7	440.0	5.03
	6107	9818.2	493.2	5.02

Milk Production	Butter Fat Production
Best Year's Record 22000.4 lbs.	Best Year's Record 974.8 lbs.
Av. Ten Largest Records 19394.7 lbs.	Av. Ten Largest Records 931.6 lbs

*First appearance in this list.

**Requirement: For each day over the minimum age add 0.1 lb. butter fat to the minimum requirement.

TEN LEADING COWS

In the Several Classes of the Farmers' Division

		Lbs. Milk	% B. F.	Lbs. B. F.	% of requirement
CLASS AAA Five Years and Over. Minimum Requirement 360.0 lbs. Butter Fat. Duration of record, 305 days. Milked twice daily. Must carry calf for 205 days.	*Imp. Hilltop Butterfat's Clara 160768 A. R. 19408	15963.3	5.39	860.1	238.9
	Imp. Dunwalk Gem's Beauty 190667 A. R. 22901	14099.6	5.16	727.7	202.1
	Silverwood Diana 82940 A. R. 13791	17100.4	4.19	717.3	199.3
	Imp. Sweet Maggie IV. des Galliennes 190651 A. R. 20535	14779.4	4.81	710.3	197.3
	Faith of Highland View 185092 A. R. 28692	12699.7	5.48	696.1	193.4
	Waldorf's Periwinkle 130346 A. R. 16300	11057.3	6.28	694.0	192.8
	*Daisy Van of West Lawn 261436 A. R. 27063	12186.4	5.65	689.0	191.4
	Fair Weather Gordon Dean 181094 A. R. 21810	12149.8	5.57	676.9	188.0
	Hot Toddy 113356 A. R. 21503	12187.2	5.54	675.4	187.6
	Imp. Fleurie of the Glen 175151 A. R. 18977	12719.7	5.30	674.6	187.4
CLASS BBB Four and One-Half to Five Years**. Minimum Requirement 341.8 lbs. Butter Fat. Duration of record, 305 days. Milked twice daily. Must carry calf for 205 days.	Weywood's Rosabella 180133 A. R. 26633	10904.8	5.98	652.0	181.2
	Governor Glen's Royal Maid 207770 A. R. 25256	11728.9	5.56	651.6	185.3
	My Fancy of Homeland 178205 A. R. 23886	12875.8	4.91	632.2	181.4
	Bosworthfield Evelyn 127418 A. R. 19909	11006.4	5.53	608.6	174.2
	Helendale Aurora 157245 A. R. 23159	10948.8	5.37	588.1	168.0
	Red Echo Jessica 122562 A. R. 15953	10355.9	5.60	579.9	164.1
	Wanda of Pakeen 230351 A. R. 27205	9650.4	5.98	576.7	165.0
	Anton's Lucile Primrose 71074 A. R. 11493	10084.1	5.69	573.8	167.6
	Imp. Osceola Clara's Slogan 263658 A. R. 25260	11955.9	4.79	572.9	161.1
	Gay Lad's Leona 242609 A. R. 28744	9029.6	6.24	563.4	161.3
CLASS CCC Four to Four and One-Half Years**. Minimum Requirement 323.5 lbs. Butter Fat. Duration of record, 305 days. Milked twice daily. Must carry calf for 205 days.	Imp. Jessica of St. George's 207130 A. R. 20594	11764.6	5.59	657.1	197.6
	Coker Golden Carnation 135458 A. R. 17418	12387.3	5.09	630.7	188.0
	Imp. Fleurie of the Glen 175151 A. R. 18977	11377.1	5.40	614.5	180.9
	Grassland Zenoria 185315 A. R. 22231	14725.2	4.13	608.5	181.2
	Grassland Letty 169690 A. R. 19941	13611.8	4.44	605.0	181.4
	Edgewood Christine 178913 A. R. 24380	10808.7	5.54	599.2	181.5
	Julian's Rippling Ruby 179040 A. R. 23430	14078.9	4.21	592.4	175.1
	*Laurentic of Fairview Home 224921 A. R. 29739	11356.7	5.21	592.2	175.0
	Edytha of Munroholm 144838 A. R. 18491	10867.3	5.43	590.4	181.0
	Count's Ruby of Prestdale 265278 A. R. 28589	10870.4	5.31	576.9	177.6
CLASS DDD Three and One-Half to Four Years**. Minimum Requirement 305.3 lbs Butter Fat. Duration of record, 305 days. Milked twice daily. Must carry calf for 205 days.	Governor Glen's Royal Maid 207770 A. R. 25256	11332.6	5.31	601.9	190.3
	Imp. Hilltop's Favorite 182230 A. R. 20683	11397.2	5.24	597.0	187.6
	Oregon Pet 112652 A. R. 15754	10287.5	5.65	580.8	180.4
	Fair Weather Compiegne 147382 A. R. 20574	10483.1	5.49	575.2	178.2
	Inspiration California Girl of Adohr 156379 A. R. 21922	11327.9	5.06	573.1	181.4
	Hill Girt Pine Top 188215 A. R. 24870	12711.7	4.45	565.6	179.8
	Gayhead's Pansy 148666 A. R. 18578	10578.3	5.31	562.0	182.9
	Tarbell Farms Buttercup 186364 A. R. 24266	10301.5	5.37	552.7	173.3
	Grassland Valent 230771 A. R. 28729	12283.9	4.42	543.5	178.0
	Fair Weather Clover 236081 A. R. 28892	10297.9	5.27	542.7	172.1
CLASS EEE Three to Three and One-Half Years**. Minimum Requirement 287.0 lbs. Butter Fat. Duration of record, 305 days. Milked twice daily. Must carry calf for 205 days.	Fleurette of Northshire 221629 A. R. 25105	12254.2	5.34	654.2	214.8
	*Friendship K. Belle 245480 A. R. 26795	13576.1	4.70	638.7	211.6
	Corwin Hill Daisy 165004 A. R. 20967	13691.8	4.62	632.9	215.7
	*Eudeyne 310843 A. R. 29496	11148.8	5.56	619.6	208.4
	*Avalawn's Mazie 319780 A. R. 29276	10500.7	5.61	589.4	196.6
	Tuscarora Ledyard Blossom's Esther 167601 A. R. 18134	10758.4	5.41	581.5	198.2
	Bosworthfield Imogen 177204 A. R. 21388	11445.5	5.01	573.1	194.5
	Escalon Rosebud 214011 A. R. 20334	10457.9	5.46	570.5	193.3
	Grassland Jemmadine 230773 A. R. 26469	12454.4	4.55	566.2	190.6
	Viola's May King Lady Antoinette 224154 A. R. 24459	9917.0	5.69	563.9	193.7
CLASS FFF Two and One-Half to Three Years**. Minimum Requirement 268.8 lbs. Butter Fat. Duration of record, 305 days. Milked twice daily. Must carry calf for 205 days.	*Hilltop Butterfat Maid 265849 A. R. 29441	11848.1	5.18	614.1	227.4
	Carol of Silver Maples 251791 A. R. 26226	13423.2	4.40	591.2	208.1
	Jecava Bonheur 216839 A. R. 25557	10523.2	5.33	561.3	201.0
	Mission Farm Topsy 250070 A. R. 27885	9453.1	5.89	557.0	206.7
	Allouez Grace Frances 149371 A. R. 19621	9773.3	5.55	542.8	193.3
	Tarbell Farms Ultra Eugenie 202869 A. R. 24142	9803.6	5.49	538.3	188.3
	Edgewood Susanna 213840 A. R. 24502	10800.6	4.93	532.2	194.7
	Tarbell Farms Ultra Mignonette 207856 A. R. 24782	11467.1	4.53	519.2	182.4
	Goldmead's Cherub Dream 258770 A. R. 27322	9833.2	5.27	518.4	184.3
	Birchfield Ultraeen 244413 A. R. 28091	9248.7	5.60	518.0	187.1
CLASS GGG Under Two and One-Half Years**. Minimum Requirement 250.5 lbs. Butter Fat. Duration of record, 305 days. Milked twice daily. Must carry calf for 205 days.	Waldorf's Nancy's Natalie 246256 A. R. 27152	11266.3	5.33	600.8	226.5
	*Dunwalke Yellow Squaw 268299 A. R. 29810	9134.9	6.15	561.9	210.3
	Vesta of Mission Farm 260286 A. R. 27728	11240.5	4.89	549.9	219.5
	Dunwalke Victoria 261576 A. R. 28891	10267.1	5.22	536.0	201.9
	Belle's Light Fawn Buttercup 245502 A. R. 26638	9810.8	5.44	533.4	212.7
	*Friendship R. Ultra Emerande 276079 A. R. 29298	12054.5	4.37	527.1	197.7
	Maple Leaf's Flashlight 248262 A. R. 26727	10159.3	5.15	523.2	201.1
	May's Emma 159093 A. R. 18972	8850.0	5.87	519.2	197.0
	Grassland Vantine 263671 A. R. 28993	11241.3	4.61	517.9	193.5
	Carol of Silver Maples 251791 A. R. 26226	11648.3	4.45	517.9	206.7

Average Yield of 70 Class Leaders: 11491.2 lbs. Milk; 596.5 lbs. Butter Fat; 5.19 per cent.

The above are as they appeared June 15, 1932.

SUMMARY OF 2707 TRIPLE LETTER RECORDS

	Records	Lbs. Milk	Lbs. B.F.	Per Cent
Class AAA	680	9187.4	456.2	4.97
Class BBB	171	8790.1	446.6	5.08
Class CCC	234	8544.6	434.1	5.08
Class DDD	254	8139.6	409.0	5.02
Class EEE	332	7810.2	395.1	5.06
Class FFF	327	7315.6	373.2	5.10
Class GGG	709	7095.7	356.3	5.02
	2707	8065.6	405.6	5.03

Milk Production	Butter Fat Production
Best Triple Letter Record 17100.4 lbs.	Best Triple Letter Record 860.1 lbs.
Av. Ten Largest Records 14976.0 lbs.	Av. Ten Largest Records 712.1 lbs.

Escalon Lucille 323811 A. R. 29159 held 10th place in GGG with a record of 9595.6 lbs. milk; 515.1 lbs. butter fat. Since the last publication of the Journal Escalon Lucille 323811 has been replaced by Carol of Silver Maples 251791 A. R. 26226.

*First appearance in this list.

**Requirement: For each day over the minimum age add 0.1 lb. butter fat to the minimum requirement.

WHAT THE COWS ARE DOING

Their Latest Credits in the Advanced Register

***SPECIAL NOTE:** This list contains the monthly and total credits as checked at the time of going to press. Any omission or back credits given signify that either data had not been received in time or are held pending verification. These credits are subject to verification and correction until final approval and acceptance and all are made on the one-day basis except as otherwise indicated. Re-entry test is indicated by a * before the cows name. Farmers' Class record is indicated by a †*

Name and Number	Class	Days	Month	Production Credit Lbs. Milk	% B. Fat	Lbs. B. Fat	Total Credit Lbs. Milk	Lbs. B. Fat
Adkins, B. F., Cosquay Farm, Hebron, Md.								
Cosquay's Cheri Rose 243641	B	56	Mar-Apr	2611.9	4.91	128.24		
S. Cherub's Monsieur Procris of Shorewood 98852 A. R.			D. Cosquay's Sweet Rose 131418 A. R. 17527					
Adohr Stock Farms, Reseda, Calif.								
Bear Canyon's Trixy 300453	G	129	Apr	808.6	4.70	38.00	3625.0	156.19
†Beatrice of Adohr Farms 280877	F	192	Apr	618.4	5.10	31.54	4054.1	205.80
Blossom of Adohr Farms 269609	F	261	Apr	593.5	4.50	26.71	5987.9	271.48
†El Capitan's Florence of Adohr Farms 198758	A	301	Apr	504.4	5.70	28.75	7608.0	417.54
†Emmaline of Adohr Farms 258933	E	280	Apr	863.2	4.20	36.25	8316.0	364.76
Evaline of Adohr Farms 269606	F	344	Apr	890.9	5.51	49.09	11004.2	535.71
Imp. Fanny's Rose of the Spurs 287243	C	100	Apr	1170.0	3.98	46.57	4071.8	161.41
*†Inspiration's Langda of Adohr Farms 117259	A	305	Apr	516.0	4.70	24.25	6931.4	313.2
Jenora Gloria 274907	F	296	Apr	819.3	4.60	37.69	8666.7	401.83
Leslie of Seelake 278534	F	197	Apr	672.3	5.60	37.65	4434.5	255.17
Little Fantine of The Lewis Farms 109904	A	37	Mar-Apr	1396.0	4.23	59.05		
S. Pencoyd Crackerjack 39627 A. R.			D. Glenwood's Miss Fantine 45162					
*Rex's Lulena of Adohr Farms 177256	A	120	Apr	1155.0	4.84	55.90	5101.1	258.88
Imp. Rosebud of the Vauxbelets 287245	E	332	Apr	637.5	4.80	30.60	8521.9	416.89
Ruby's Evaline of Beirnetown 128617	A	247	Apr	501.4	5.46	27.38	5552.0	299.99
Sunny May of Adohr 99429	A	180	Apr	1004.2	5.14	51.62	6670.8	343.95
Surrogate's Primera of Adohr Farms 231666	B	48	Mar-Apr	1985.0	3.41	67.75		
S. Langwater Surrogate 110019 A. R.			D. Vesta of Windmere 123530 A. R. 21834					
†Veda of Adohr Farms 244665	C	266	Apr	801.2	4.75	38.06	7322.1	360.88
*Vesta of Windmere 123530	A	103	Apr	1411.3	3.67	51.79	4979.6	183.35
Windmere Dutchess 162777	A	211	Apr	704.9	4.78	33.69	6000.6	317.70
Alsop, Joseph W., Wood Ford Farm, Avon, Conn.								
Hector's Blossom of Wood Ford 337574	F	305	Apr	611.8	5.42	33.16	8633.0	403.66
Archer, Caroline, Flying Hill Farms, Reading, Pa.								
*Bonnibel of Flying Hill 262437	D	106	Apr	1290.1	4.68	60.38	4718.0	256.24
Clarissa of Flying Hill 269914	G	365	Apr	207.2	5.45	11.29	11809.6	542.5
Flying Hill Lady of Fashion 283581	F	68	Feb-Apr	2653.9	4.62	122.61		
S. Green Meadow Fearless 89619 A. R.			D. Modiste of Flying Hill 211526 A. R. 23771					
Flying Hill Sunflower 283580	G	234	Apr	877.1	4.81	42.19	6636.0	310.84
Flying Hill Tillie 297452	G	20	Apr	897.7	3.86	34.65		
S. Langwater Greatheart 145219			D. Rutila of Flying Hill 239585 A. R. 27092					
*Hester of Flying Hill 225617	B	152	Apr	1329.9	5.53	73.54	7184.5	358.58
*Leah of Flying Hill 262436	D	131	Apr	1170.0	6.17	72.19	5867.6	309.45
*Ruby of Flying Hill 262439	D	20	Apr	878.6	4.11	36.11		
S. Green Meadow Fearless 89619 A. R.			D. Prue of Flying Hill 121818 A. R. 20823					
*Ruth of Flying Hill 225616	B	328	Apr	1054.4	5.40	56.94	11294.7	608.13
*Victory of Flying Hill 244151	C	95	Mar-Apr	2824.3	4.94	139.49	4440.1	215.76
Avery, Noyes L., Green Vale Farm, Eastmanville, Mich.								
Aiyukpa K. Gem 258132	D	127	Apr	1058.1	5.01	53.01	4737.4	220.50
*Alice of Silver Maples 228333	B	206	Apr	1013.3	4.94	50.06	8021.8	399.47
*†Carl's Primrose 207377	A	87	Apr	1275.0	5.47	69.74	3862.2	190.82
Green Vale Constance 300331	G	222	Apr	753.0	4.58	34.49	6141.4	253.90
Green Vale Ultra Beulah 256921	D	254	Apr	756.9	5.34	40.42	7237.7	365.87
May Flower's Golddrop of Holmdene 236410	C	288	Apr	558.2	7.24	40.41	6824.5	442.83
*Nora of Smallidge Farm 149059	A	171	Apr	1195.7	5.20	62.18	7731.3	412.49
Axton, Wood F., "Wildwood," Prospect, Ky.								
*Broadcaster's Robin 300991	D	365	Apr	621.1	5.44	33.79	13949.6	695.5
Corium Laddie's Jessica 262066	D	175	Apr	1009.2	4.81	48.54	6337.1	300.04
Dimple of Halfred Farms 2d 278432	B	90	Apr	1068.5	5.11	54.60	3381.5	163.06
Duke's Bobby 342194	G	136	Apr	912.2	4.15	37.86	4187.2	175.53
Duke's Constant Polly 342199	G	90	Mar-Apr	2268.5	4.18	94.83	3407.3	142.77
Duke's Pride of Halfred Farms 341542	G	287	Apr	1078.2	5.12	55.20	10112.0	497.21
Royal's Hilda 339335	G	301	Apr	886.7	5.83	51.69	9649.3	517.60
Ward Acres Fanny 266846	E	111	Apr	1268.1	5.29	67.08	4728.3	237.43
Ward Acres Jardin 264963	F	294	Apr	712.2	6.09	43.37	7783.9	421.84
Baer, John P., Pot Spring Farm, Timonium, Md.								
Edith W. of Pot Spring 254203	D	187	Apr	856.7	5.29	45.32	6459.0	337.39
Louise W. of Pot Spring 243595	C	88	Apr	1259.8	4.41	55.56	3758.4	174.91

Bailey, Harry, Beechford Farms, Mount Tremper, N. Y.

Beechford's Betsey 249403	D	274	Apr	813.9	6.12	49.81	9195.9	517.06
Beechford's Betty 292990	F	37	Mar-Apr	1615.7	4.47	72.23		
S. Florham Laddie 20431 A. R. D. Saugerties Ultra Betsey 195735								
Beechford's Honoria Lady 267849	F	323	Apr	1291.4	5.28	68.19	14402.1	661.32
Beechford's Josie 291488	F	43	Mar-Apr	2067.7	4.42	91.39		
S. Wyebrook Supreme 58407 A. R. D. Beechford's Josephine 156216 A. R. 20571								
*Beechford's Poppy 259583	D	168	Apr	1086.9	4.66	50.65	7457.7	321.94
Beechford Supreme Ruth 267850	E	130	Dec-Apr	6356.6	4.35	276.29		
S. Wyebrook Supreme 58407 A. R. D. Guernest Ruth 76671 A. R. 9392								
Beechford Supreme's Josephine 256627	D	181	Apr	1124.7	5.65	63.55	8113.5	394.63
*Sherwood Cheerful 174946	A	230	Apr	1264.6	4.84	61.21	10362.1	460.14

Ballard Brothers, Ballard Farm, Niles, Mich.

Agnes of Ballard Farm 274429	G	365	Apr	307.1	5.21	16.00	7727.6	362.5
Bobette of Ballard Farm 311724	G	39	Mar-Apr	1087.5	4.81	52.31		
S. Bob of Oronoko 154620 D. Elnora of Ballard Farm 247984 A. R. 27426								
Cleo of Ballard Farm 296514	F	51	Mar-Apr	1632.5	4.00	65.30		
S. Doris's Hope of Silver Maples 97832 D. Rosamond's Lass of Ballard Farm 128913 A. R. 16779								
Dorcas of Ballard Farm 293444	F	149	Apr	755.8	4.74	35.82	4192.1	188.73
Harriet of Ballard Farm 220827	A	243	Apr	607.2	5.00	30.36	5764.0	285.20
Louise of Ballard Farm 221060	B	158	Apr	782.2	5.05	39.50	4960.1	236.97

Bandy, John W., Comfort Stock Farms, Bellevue, Ohio.

†Aigler Farm Columbia 329400	G	148	Apr	798.2	4.20	33.52	3876.8	166.65
*†Daisy Ben's Lyda 232386	C	305	Mar	68.3	6.15	4.20	9047.2	454.6
†Masher's Lette's Lillian 275941	G	305	Apr	323.0	4.99	16.12	6434.2	315.8
†Masher's Treva's Tressie 350676	G	145	Apr	956.4	5.16	49.35	4724.2	234.11

Beaulier, Adolphe E., Beauhaven Guernsey Farms, Skowhegan, Maine.

†Lakewood Marion 237610	A	120	Apr	1360.4	4.40	59.86	5932.9	253.45

Beck, Albert H., Broadmeadows Farm, Wayland, Mass.

*Imp. Aileen of Rues Frairies 278591	A	240	Mar-Apr	2375.4	4.25	100.95	10390.6	410. 3
Imp. Beauty of Rocque Balan 308874	A	57	Mar-Apr	2838.5	4.68	132.84		
S. Bobby of the Salines R. G. A. S. 4929 P. S. A. R. D. Binkie R. G. A. S. 21921 P. S.								
Imp. Broadmeadows Alpha 288181	F	71	Feb-Apr	2337.3	4.42	103.37		
S. Golden Tip's Sequel II. R. G. A. S. 5457 P. S. D. Imp. Countess of Beaulieu 278589 A. R. 27966								
Imp. Broadmeadows Becky 288186	F	48	Mar-Apr	1787.1	4.44	79.35		
S. Sailor Lad of Les Meriennes R. G. A. S. 5441 P. S. D. Imp. Secret of Charroterie 278590 A. R. 26080								
Imp. Broadmeadows Kathryn 288182	F	130	Mar-Apr	1829.4	4.59	84.03	4244.2	182.89
Imp. Broadmeadows Liberty 288185	F	64	Feb-Apr	2237.3	4.40	98.33		
S. Primrose's Golden Fleece R. G. A. S. 5131 P. S. D. Imp. Louise of Meadow Villa 278588								
*Imp. Countess of Beaulieu 278589	A	202	Mar-Apr	2337.8	4.71	110.16	8745.6	391.03
*Imp. Oaks Farm Amelia 188039	A	365	Feb-Mar	1498.5	4.22	63.23	13724.2	630.0
Oaks Farm Christine 240918	D	295	Mar-Apr	1287.8	6.24	80.36	7877.7	437.46
*Planet's Blossom 260180	E	208	Mar-Apr	2043.4	5.23	106.78	7610.5	364.46

Beebe, C. P., Eastleigh Farms, Framingham Center, Mass.

Birchfield Pauline 269580	E	85	Apr	1061.2	5.11	54.23	3217.6	152.13
Dorothy of Green Lodge 119015	A	43	Mar-Apr	1966.9	4.14	81.43		
S. St. Ita's Planet 54954 A. R. D. Dorothy of Green Valley 67462								
Evangeline of Green Lodge 205381	A	40	Mar-Apr	2000.3	4.49	89.82		
S. Grassland Elinor's Valentine 97207 D. Evelyn of Green Lodge 4th 147156								
†Nashua Buttermilk 263419	E	161	Apr	800.9	4.84	38.76	4516.2	217.41
†Nashua Dingle Dell 239361	B	158	Apr	916.4	6.44	59.02	5044.6	300.69
*Rambleton Rose-Marie 193901	A	71	Apr	1212.5	5.00	60.63	3046.1	147.91
Rose Chene's Rolinda 237701	C	212	Apr	903.2	5.19	46.88	7482.7	375.61
Rozelle's Lou Chene 258045	C	51	Mar-Apr	2263.7	4.71	106.62		
S. Mixter Tractor 75811 D. Rose Chene's Rozelle 171219								
†Steele's Hill Erma 268837	D	26	Apr	948.9	4.35	41.28		
S. Coventry Lily's Honour 121775 D. Steele's Hill Pansy 241457 A. R. 24272								
*Steele's Hill Marianna 241462	A	48	Feb-Mar	2525.9	4.27	107.86		
S. Steele's Hill Daniel Gage 69319 A. R. D. Forestdale Melinda 71338								

Bender, Clark, Rockmore Farm, Hygiene, Colo.

French Maid's Ultra King 246641	D	207	Apr	816.1	4.87	39.74	7103.1	337.82
Good Fellow's May Rose 2d 251127	D	213	Apr	879.2	6.03	53.02	7897.9	459.15
Melley May 221506	B	204	Apr	1041.0	4.42	46.01	7499.5	350.26
Prince's Richesse 2d 280852	E	213	Apr	893.8	5.02	44.87	7445.3	371.84

Bolton, Chester C., Franchester Farms, South Euclid, Ohio.

Franchester Beauty 292721	G	193	Apr	1013.0	5.04	51.06	7323.2	345.09
*Franchester Colleen 237254	B	90	Feb-Apr	4222.2	4.45	188.04		
S. Green Meadow Constant 89353 A. R. D. Emma of Hillbrook 156107 A. R. 18963								
Franchester Companion 292717	G	240	Apr	828.3	5.51	45.64	7659.8	388.73
Franchester Complacent 292718	G	284	Apr	719.8	5.27	37.93	8169.7	409.36
*Franchester Consent 262636	D	50	Feb-Mar	3203.7	4.30	137.76		
S. Green Meadow Constant 89353 A. R. D. Florrie's Surprise 174548								
Franchester Contrast 262634	E	327	Apr	1002.9	4.56	45.73	13114.0	563.07
Franchester Cousin 292723	G	114	Apr	1019.8	4.83	49.26	4318.8	201.75
Franchester Desire 300460	G	44	Mar-Apr	1586.7	4.67	74.10		
S. Franchester Royal Sequel 135313 D. Kenilworth Ada's Sister 212944 A. R. 24169								
Franchester Loquette 300461	G	44	Mar-Apr	1490.4	4.96	73.92		
S. Franchester Royal Lodestar 125427 D. Virginia May Vesta 234805 A. R. 26696								
Franchester Silvia 280569	G	267	Apr	767.3	5.53	42.43	7462.8	413.29
Franchester Vampire 250245	D	267	Apr	687.0	4.83	33.18	8022.0	399.61
*Governor's Edith May 197030	A	337	Apr	744.2	5.21	38.77	11746.1	609.90
Hilda Tyron of Buckeye Farm 222698	C	358	Apr	691.4	5.53	38.23	11506.9	616.86
Margaret Pearl 230192	C	344	Apr	680.1	6.50	44.21	10827.9	642.91

*Imp. Violet VII. of Figtree 201438	A	240	Apr	777.4	5.37	41.75	8514.8	439.03
Ward Acres Sweet Brier 239905	D	365	Apr	262.2	5.36	14.05	11560.9	581.6
Caldwell, R. B., Hazelwood Farms, Chester, S. C.								
Hazelwood's Ann 309281	F	60	Mar-Apr	2466.3	3.81	93.86		
s. Imp. Betsey's Emblem 126428	D. Hazelwood's Jessie 239031 A. R. 2608							
Hazelwood's Betsey 268054	E	192	Apr	784.0	4.22	33.08	5596.7	250.91
Hazelwood's Empress 245807	C	75	Feb-Apr	3454.8	4.55	157.05		
s. Gallant Cavalier 83960 A. R.	D. Guernsey Queen of Bon Ayre 70883 A. R. 15009							
Hazelwood's Hopeful 309280	G	147	Apr	752.5	4.77	35.99	4111.8	194.62
Hazelwood's Pearl 277337	G	364	Apr	140.5	4.59	6.45	8982.1	471.6
Candler, John S., Mileybright Guernsey Farm, Decatur, Ga.								
*David's Golden Tip of Mileybright 155930	A	104	Apr	1504.7	3.87	58.23	4987.8	202.88
Mileybright's Criterion's Cosy 264363	E	168	Mar-Apr	1908.0	4.34	82.74	5694.5	246.39
Mileybright's Lancastrian Girl 232821	B	243	Apr	898.8	4.29	38.56	7574.6	318.90
Mileybright's Winsome Beauty 248998	D	348	Apr	735.9	4.47	32.89	9504.8	409.71
Mileybright's Yeksa Girl 249950	C	179	Apr	1168.7	3.71	43.36	6823.5	250.04
Ranger's Katydid 295923	B	74	Apr	1727.3	3.57	61.66	3930.8	153.87
*Valentine's Golden Girl of Mileybright 243395	B	24	Apr	1142.1	4.13	47.17		
s. Imp. Valentine Golden Noble IV. 123768 A. R.	D. Imp. Verena of Myrtle Place 190673 A. R. 22379							
*Imp. Verena of Myrtle Place 190673	A	160	Mar-Apr	2290.1	4.89	111.90	7073.4	331.37
Carter, George R., Waterloo Guernsey Farm, Connersville, Ind.								
Imp. Cynosure Gloria 248944	A	287	Apr	925.5	4.79	44.33	10201.1	458.27
Imp. Gloria's Bess 273726	E	141	Apr	942.8	4.10	38.65	5376.4	228.51
Carter, H. A., Waterloo Guernsey Farm, Connersville, Ind.								
Evalon's Dell 183875	A	324	Apr	670.2	5.32	35.65	9413.5	446.77
Lilly's Champion Queen 273725	E	153	Apr	943.9	5.05	47.67	5414.4	254.39
Shuttlewick Lilly 168146	A	302	Apr	810.6	5.40	43.77	9280.9	458.77
Caumsett Corporation, The, Huntington, N. Y.								
Bay State Thelma 240083	D	316	Apr	649.4	4.54	29.48	9708.6	451.91
Caumsett Doris 272813	D	152	Apr	899.0	5.02	45.13	4960.4	252.69
Caumsett Farm Charity 272819	E	147	Apr	970.8	4.42	42.91	5127.2	234.07
*Caumsett Farm Countess 243006	D	365	Apr	11.1	5.45	.60	10549.8	504.1
Caumsett Mollie 272821	F	179	Apr	1055.5	4.01	42.33	6563.4	283.19
Caumsett Northern Arbutus 302020	G	71	Apr	886.6	3.60	31.92	2136.2	78.78
Caumsett Northern Bella 285228	F	64	Apr	979.1	4.19	41.02	2103.4	87.34
Caumsett Northern Blossom 287551	F	89	Apr	892.1	5.00	44.61	2847.6	137.08
Collection's Polly 235844	B	56	Mar-Apr	2600.2	4.20	109.12		
s. Langwater Collection 102130 A. R.	D. May King's Polly of Oakhurst 64369 A. R. 10625							
*Mixter Royal Opal 166711	A	243	Apr	826.4	4.29	35.45	8135.3	342.21
Ultima of High Point 192089	A	362	Apr	733.5	6.20	45.48	12613.0	659.99
Central Avenue Dairy, Inc., Phoenix, Ariz.								
Challenger's Laura of Overlook 275405	F	361	Apr	863.5	4.55	39.29	11646.2	539.13
†Linwood's Miss America 275642	F	221	Apr	827.3	4.90	40.54	6534.8	297.33
Lynbrook Royal Flower 211866	A	120	Apr	783.7	4.69	36.76	3724.5	170.99
Chatham, Thurmond, Klondike Farm, Elkin, N. C.								
Beatrice of Rock Springs 147510	A	312	Apr	960.8	5.52	53.04	12318.1	602.43
*Bishopville Countess Closel 197391	A	365	Apr	474.7	5.75	27.30	11103.1	591.4
Blackwell's Rose 184456	A	314	Apr	788.9	5.31	41.89	10489.2	509.58
Cherokee Rose of Rock Springs 272260	G	305	Apr	780.4	5.03	39.25	8715.2	418.69
*France's Verbena of Big Spring Farm 2d 96888	A	365	Mar	179.7	5.96	10.71	13215.4	715.6
*Hazelwood's Princess 231278	B	350	Apr	925.8	5.76	53.33	13804.0	718.68
Klondike Doris 282842	G	248	Apr	723.4	6.10	44.13	6782.6	378.23
Klondike Gay Caroline 268685	F	145	Apr	1048.7	4.75	49.81	5360.9	253.84
Klondike Gay Dame 281319	G	301	Apr	781.7	4.58	35.80	8336.1	375.06
Klondike Gay Darling 274972	G	360	Apr	717.3	5.07	36.37	10156.0	488.82
Klondike Gay Dawn 283685	G	248	Apr	1073.6	4.67	50.14	8599.1	404.66
Klondike Gay Donnabella 285629	G	312	Apr	728.9	5.41	39.43	9621.7	494.97
Klondike Gay Duchess 273064	G	263	Apr	781.3	5.83	45.55	6760.9	361.95
Klondike Royal Damsel 292128	G	93	Apr	930.1	4.70	43.71	2917.1	133.89
*Lady Betty of Klondike 231489	B	135	Apr	1201.6	4.53	54.43	5709.3	267.08
*Lady of the Swamp 121658	A	126	Apr	1223.4	5.56	69.24	5600.1	304.19
Lahkoolsh Replica Brilliantine 220435	B	169	Apr	990.1	4.48	44.36	6557.2	309.80
*Laughing Water's Violet 224427	B	354	Apr	679.3	5.92	40.21	10474.9	601.11
Pretty Maid's Henrietta 236769	B	149	Apr	758.0	5.94	45.03	4257.6	245.07
*Resolute's Countess 197815	A	335	Apr	787.7	6.29	49.55	11517.8	649.47
Woodrow's Renia Virginia 264800	F	318	Apr	1223.1	5.10	62.38	12742.1	588.73
Cheney, B. Austin, Falcon's Flight Farm, Litchfield, Conn.								
Falcon's Acacia 284664	G	324	Apr	741.5	6.27	46.49	8319.0	430.73
Falcon's Alice 280969	G	314	Apr	829.3	5.62	46.61	8973.9	417.40
*Falcon's Quakeress 188178	A	281	Apr	792.9	5.84	46.31	9160.3	435.27
Falcon's Sunrise 210013	A	268	Apr	601.7	5.69	34.24	7291.9	373.73
Falcon's Vivian 255109	E	335	Apr	763.4	6.34	48.40	9196.4	534.80
Falcon's Winsome 264182	F	350	Apr	790.0	5.74	45.35	9809.7	501.36
Cheney, H. G., Est., Greenway Farm, South Manchester, Conn.								
*Blossom of Greenway 2d 258554	D	180	Apr	1115.0	6.02	67.12	8089.4	444.63
Hero's Hopeful of Greenway 289682	G	344	Apr	602.8	6.21	37.43	9353.4	536.41
Clyburn, C. F., Kershaw, S. C.								
*Sunbeam of Clover Farm 233579	B	335	Apr	772.1	5.19	40.07	10341.7	502.89
Colorado Agricultural College, Fort Collins, Colo.								
*College Mary May 270604	E	121	Apr	807.2	5.47	44.15	3696.1	203.85
*Columbine Belle 197435	A	365	Apr	165.2	4.42	7.30	10528.8	442.0
*May Amelia 286574	B	207	Apr	904.9	5.09	46.06	7061.2	352.76

May Richesse of Auburn 161576	A	116	Apr	1004.4	4.06	40.78	4187.5	189.83
War Cloud's Clara May 304110	G	134	Apr	1083.1	4.12	44.62	4829.1	223.42
Compton, Lucius B., The Eliada Orphanage Farm, Asheville, N. C.								
Cleatta's Erline of Eliada 289919	G	133	Apr	1044.5	4.61	48.15	5082.7	228.49
Goldmead Grazie 286258	G	324	Apr	664.6	5.23	34.76	8645.5	400.49
Goldmead Star Dream 293501	G	196	Apr	803.9	4.56	36.66	6099.8	276.89
Miss Sue of Eliada Farm 288146	G	305	Apr	616.9	5.23	32.26	7314.5	328.98
Myra's Eliada Girl 307578	G	103	Apr	1133.9	3.69	41.84	3835.4	144.34
Myrtha of Eliada Farm 297267	F	90	Apr	1192.0	4.09	48.75	3580.2	157.83
Pansy's Hypatia of Eliada Farm 287275	G	228	Apr	956.1	4.36	41.69	7788.5	309.78
Imp. Princess II. of Val du Sud 280173	A	121	Apr	1154.2	4.19	48.36	5220.1	211.66
Rose of Becker Homestead 199816	A	150	Apr	1032.0	4.29	44.27	5387.7	226.00
Imp. Wilma III. of Riduna 308904	D	189	Apr	808.4	4.12	33.31	5766.0	236.83
Connecticut Agricultural College, Storrs, Conn.								
*Buoyant Lassie Storrs 171217	A	347	Apr	107.1	7.70	8.25	11852.1	639.2
Grateful Lute Storrs 274921	F	272	Apr	725.5	6.40	46.43	7434.7	430.56
*Sagacious Storrs Sunbeam 156775	A	354	Apr	132.5	6.80	9.01	12564.4	616.9
Cooper, Tom, Tom Cooper's Farm, Ardmore, Okla.								
Cooper's Crystal 261961	F	365	Apr	612.3	6.06	37.11	10590.9	549.7
Cooper's Jewel 261960	F	286	Apr	615.7	5.43	33.43	6902.7	368.29
Cooper's Kathleen 278901	G	357	Apr	665.8	5.16	34.36	9124.0	460.10
Cooper's Red Rose 278902	G	311	Apr	640.9	6.06	38.84	7719.6	428.99
Willalvin's Proud Paula 229660	C	365	Mar	29.3	6.42	1.88	12873.8	783.4
*Woodvale Lu Nell 233113	B	163	Apr	1135.0	4.97	56.41	6944.2	329.66
Cowham, C. F., Cowham Farm, Jackson, Mich.								
Chestnutwold Julia 254892	E	310	Apr	692.1	5.43	37.58	9529.2	474.91
Eloise's Trixie of Overlook 299891	G	131	Apr	1087.8	4.74	51.56	4918.7	226.15
King's Girl of Cowham Farm 305463	G	69	Apr	1325.1	3.74	49.56	2881.7	105.60
Wild Rose of Cowham Farm 225435	B	243	Apr	1023.5	5.15	52.71	10052.4	493.58
Crawford, M. S., Crawford Farm, Hamden, N. Y.								
Beauty of Laurel Hill 135148	A	365	Apr	312.6	5.66	17.69	11785.7	584.5
†Kemah Nasturtium 287639	F	243	Apr	740.9	5.25	38.90	6132.9	308.13
†Roxie of Laurel Hill 235635	B	179	Apr	950.0	4.50	42.75	6181.6	264.13
Davis, L. G., The Terrace Farms, Linwood, N. C.								
*Cherry's Opal of Oakwood 180160	A	117	Apr	990.3	5.46	54.07	4241.8	225.63
May Flower's Rosa 239619	C	317	Apr	1027.5	5.77	59.29	11897.3	609.35
Morven's Rutila's Blossom 254254	B	16	Feb	551.3	4.39	24.20		
S. Langwater Mariner 98629 D. Morven's Rutila's Handmaid 187629 A. R. 23203								
Davis, Westmoreland, Morven Park Farm, Leesburg, Va.								
Morven's Anne 292847	F	61	Mar-Apr	1916.8	4.79	91.81		
S. Toreador of Big Spring Farm 149291 D. Morven's Side Light 187651 A. R. 23439								
Morven's Coquette 292823	D	112	Apr	905.7	5.04	45.65	3651.5	181.48
Morven's Fannie 292812	E	348	Mar-Apr	1314.5	7.49	98.47	9146.5	585.92
Davison, H. P., Mrs., Peacock Point, Locust Valley, N. Y.								
†Imp. Flower of the Douvre 2d 252153	D	32	Mar-Apr	1531.4	4.17	63.85		
S. Noble II. of the Simons R. G. A. S. 5262 P. S. D. Imp. Flower of the Douvre 248932								
Dickinson, John L., Charleston, W. Va.								
Balsam of Hurley-hurst 247677	C	72	Feb-Apr	3323.4	5.23	173.91		
S. Boulderwood Archer 113023 D. Blossom of Hurley-hurst 115466 A. R. 25084								
Empress of France 243978	C	168	Apr	1148.1	4.28	49.14	7142.6	295.95
Genevieve's Golden Beauty 200152	C	365	Jan-Feb	830.4	4.60	38.23	10668.2	483.1
Quincy Anastasia 243561	C	142	Apr	1199.2	4.76	57.08	6202.6	277.90
Quincy Sally Lewis 285312	F	213	Apr	848.3	4.77	40.46	7160.3	328.42
Star's Bessie of Locust Brook 189349	A	365	Apr	67.8	4.66	3.16	12169.4	572.0
Doane, Ernest F., Litchfield, Conn.								
Falcon's Andromeda 291492	G	213	Apr	1162.5	5.28	61.38	8502.5	394.45
Dozier, J. M., Oakland Farm, Lee Hall, Va.								
Anton's Eva of Griffwood 140077	A	365	Apr	560.8	6.78	38.02	9583.0	551.4
Lena of Guernsey Farm 276881	E	108	Apr	766.9	4.93	37.81	3119.5	152.98
Eby, Mervin, Lookwell Farm, Wakarusa, Ind.								
Annabelle of Lookwell Farm 236521	C	311	Apr	533.6	6.86	36.60	8328.9	460.78
Fi Fi of Lookwell Farm 304220	G	142	Apr	821.8	4.99	41.01	4201.4	190.00
Lassie of Lookwell Farm 303200	G	182	Apr	747.8	5.02	37.54	4903.8	232.10
Maud K. of Forest Grove 297698	A	197	Apr	888.6	5.13	45.59	6617.8	323.01
May King's Lassie of Lookwell Farm 219498	A	177	Apr	804.9	5.78	46.52	6056.1	320.01
Queen May of Lookwell Farm 308804	G	84	Feb-Apr	2431.4	4.62	112.37		
S. Fi Fi's Nobleman of East Lynne 115250 A. R. D. Colongue of Lookwell Farm 2d 181809								
Viola of Lookwell Farm 305411	G	163	Apr	706.8	4.84	34.21	4199.1	209.41
Eisele, J. A., Eisele Guernsey Farm, Oklahoma City, Okla.								
*Fern Hill Myrtle 229263	C	365	July-Apr	7064.9	5.48	387.35	10356.3	528.5
Emerson, Anne P., Brooklandwood Farms, Brooklandville, Md.								
Betty's Fair Girl 288794	G	264	Apr	786.7	5.28	41.54	7758.6	371.83
Brooklandwood Golden Pearl 285071	G	186	Apr	917.3	5.04	46.23	6165.9	264.87
Brooklandwood Lady Pauline 269493	G	358	Apr	998.6	4.96	49.53	11937.7	543.24
Brooklandwood Lillian 278755	G	349	Apr	827.9	5.99	49.59	10160.1	584.63
Brooklandwood Miss Floss 251078	D	220	Apr	620.9	5.96	37.01	5407.6	320.90
Bud's Cynthia 287166	G	201	Apr	854.6	5.05	43.16	5995.5	268.60
Challenger's Golden Favorite 278751	G	268	Apr	873.6	5.37	46.91	8252.3	411.68
Ideal of Lowebrook 247966	D	213	Apr	855.3	4.13	35.23	7058.9	284.64

Midday's Golden Violet 285070	G	256	Apr	845.1	5.57	47.07	7461.1	383.28
Nonpareil's Mayetta 266928	F	217	Apr	811.3	5.11	41.46	6558.2	329.44
Select's Beauty 292945	G	64	Feb-Apr	1718.1	4.23	72.74		
s. Beechwood Prince Select 130365	D. Redpath's Janette 204921 A. R. 23775							
Select's Charity 270155	F	330	Apr	645.8	6.33	40.88	8682.9	500.04
Select's Gertrude 269494	G	358	Apr	766.9	6.42	49.23	11335.1	593.55
Select's Pearl 278752	G	254	Apr	825.3	5.02	41.43	7526.5	367.51
Select's Polly 305241	G	79	Feb-Apr	2561.7	4.49	114.95		
s. Beechwood Prince Select 130365	D. Brooklandwood Polly Anna 137956 A. R. 17732							
Endicott, John, "Brookwood," Bloomfield Hills, Mich.								
Brookwood Chloe 298080	G	58	Apr	866.7	4.33	37.53	1635.5	67.28
Brookwood Cornflower 290899	G	118	Apr	777.6	4.37	33.98	3195.4	127.29
Brookwood Jemima 283631	G	131	Apr	853.0	4.20	35.83	3931.1	162.49
Brookwood Poinsetta 286291	G	155	Apr	842.0	4.36	36.71	4783.0	210.69
Brookwood Wilhelmina 297421	G	70	Mar-Apr	1757.6	4.35	76.52	2015.8	89.82
*Dora of Ballard Farm 193495	A	365	Apr	69.3	5.70	3.95	11095.9	573.8
Thistledown Lady Gem 288544	A	26	Apr	1129.0	4.20	47.42		
s. Thistledown Arrowhead 71008	D. Gilmore's Lady of St. Joseph Valley 82358 A. R. 11545							
Evans, Harry C., Fort Collins, Colo.								
†Fairy's Nell 268341	F	237	Apr	440.4	6.00	26.42	5268.8	268.13
*†Lady Rosalind's Bess 253681	D	42	Mar-Apr	1492.8	5.15	76.88		
s. Lenorill's Golden Cloud 118247 A. R.	D. Pioneer Lady Rosalind 167481							
*†Lady Rosalind's Lydia Ann 277685	F	77	Apr	796.1	5.13	40.84	2002.3	102.96
Fleming, L. O., Orchards, Wash.								
†Della of Delphi Dell 255020	A	166	Mar-Apr	1839.5	4.79	88.10	6211.9	326.55
†West Valley Pearl 2d 268358	E	207	Apr	883.9	4.69	41.45	7061.9	332.72
Fleming, W. C., Paramount Farm, Greensboro, N. C.								
Paramount Foremost Lula 262074	E	328	Apr	423.0	7.80	32.99	5947.0	370.88
Raider's Trinklebell of Paramount 210026	A	346	Apr	728.0	4.92	35.82	10688.4	488.64
Violet's Melody of Wackena 98476	A	312	Apr	649.3	4.50	29.22	8469.2	351.98
Flinn, Ralph E., Beechwood Farms, Sharpsburg, Pa.								
*Beechwood Fancy 269479	D	59	Mar-Apr	2289.3	5.49	125.58		
s. Beechwood Eastern Surprise 117553 A. R.	D. Raider's Fancy Milford of Bethany 134286 A. R. 18592							
*Beechwood Princess Antoinette 204937	A	163	Apr	832.7	5.07	42.22	5158.8	250.79
*Beechwood Princess Dianthea 245057	C	87	Apr	1528.1	4.23	64.64	4404.4	189.06
*Beechwood Princess Milford 245056	D	365	Mar-Apr	1261.5	6.49	81.81	10883.2	576.9
*Beechwood Princess Nettie 235741	B	51	Mar-Apr	2360.4	4.96	117.11		
s. Beechwood Phylliston 85394 A. R.	D. King's Antoinette 71053 A. R. 9704							
*Beechwood Princess Violet 251160	E	365	Apr	240.0	5.60	13.44	13285.9	679.3
Beechwood Ralina 291397	G	243	Apr	733.2	6.19	45.39	6990.3	388.13
Beechwood Roseanna 296509	G	100	Apr	871.9	5.43	47.34	3053.6	159.53
Beechwood Roseanne 296508	G	179	Apr	858.6	5.37	46.11	5488.5	265.92
Beechwood Rosemary 284914	G	353	Apr	646.5	5.96	38.53	10300.8	519.79
Beechwood Ruby 257380	D	170	Apr	1224.8	4.42	54.14	7570.6	374.91
Foster, Frank B., Montcalm Farms, Phoenixville, Pa.								
Broadwater Cybistra 271226	F	267	Apr	738.5	5.62	41.50	7062.8	381.32
Broadwater De Medici 252329	D	140	Apr	965.6	5.29	51.08	5332.8	278.41
Broadwater Dolly 311317	G	22	Apr	763.5	4.46	34.05		
s. Langwater Peter Pan 116859 A. R.	D. Imp. Honeymoon's Bessie II. 228620 A. R. 22111							
Broadwater Hesperes 265349	E	165	Apr	1174.2	5.50	64.58	6863.0	346.72
Broadwater Lightfoot 294969	G	30	Apr	1264.4	3.78	47.79		
s. Langwater Peter Pan 116859 A. R.	D. Imp. Grandiflora V. of Lilyvale 228625 A. R. 22054							
Broadwater Mercedes 282358	G	288	Apr	861.8	5.90	50.85	8733.7	454.88
Broadwater Minerva 272997	F	258	Apr	822.0	5.30	43.57	7148.6	349.73
Broadwater Myrtle 282359	G	265	Apr	813.4	5.16	41.97	7467.0	376.82
Fox, F. E., Waukesha, Wis.								
Alvin's Lady 303405	G	61	Apr	825.0	4.97	41.00	1655.3	74.71
Bonelcho's Mayme of Denmark 344529	G	72	Apr	1003.6	3.80	38.14	2382.7	89.31
Bonelcho's Nora of Denmark 343279	G	51	Apr	1178.1	3.79	44.65	1953.6	70.55
*Miss Queen O. K. 4th 111825	A	61	Apr	932.3	4.46	41.58	2038.7	88.38
Nelly's Magdalene of Waukesha 256722	C	45	Apr	942.7	4.36	41.10	1431.3	62.74
Serene's Maiden of Waukesha 302536	G	45	Apr	853.6	4.70	40.12	1223.1	55.01
Fretz, William F., Fritzlyn Farms, Pipersville, Pa.								
Atamannsit Princess Sweetheart 262969	E	262	Apr	701.1	6.49	45.50	6838.5	390.20
*†Imp. Buttercup of Melrose 253797	A	277	Apr	627.5	4.87	30.56	7897.2	367.11
Fritzlyn Dolly 294155	F	126	Apr	797.0	5.06	40.33	3713.8	184.96
Fritzlyn Good Boy's Althea 308642	G	100	Apr	852.0	4.88	41.58	2952.6	143.68
Fitzlyn Good Boy's Lily 308641	G	70	Apr	1200.4	4.26	51.14	2756.9	117.14
Fritzlyn Goodolia 298675	G	117	Apr	767.3	5.17	39.67	3237.5	157.41
Imp. Fritzlyn Jeannie 272206	G	365	Apr	228.3	5.82	13.29	9522.7	470.9
Fritzlyn Myra 298677	G	110	Apr	811.0	5.49	44.52	3141.1	165.93
*Fritzlyn Trequean Gift 220683	A	101	Apr	1303.5	4.32	56.31	4550.5	194.03
Marguerite's Gift 286845	G	362	Apr	674.8	5.92	39.95	10004.1	494.89
*Imp. Rhoda IV. of Bas Venelles 253800	A	51	Mar-Apr	2761.7	4.23	116.89		
s. Ironside of Les Chevaliers R. A. A. S. 296 P. S. A. R.	D. Rhoda R. A. A. S. 2209 P. S.							
Galimore, W. S., Over Brook Farm, Greensboro, N. C.								
Rena Bertram Primrose 240473	D	365	Mar-Apr	903.2	6.55	59.14	8263.7	481.9
Gallagher, William H., Glackmore Farm, Rochester, Mich.								
Eastern Queen of Lone Oak 292681	E	143	Apr	846.6	5.60	47.41	4575.6	258.95
Raider's Beauty of Quirk Farms 248233	C	112	Apr	1367.8	4.62	63.19	5275.6	230.89
Sister Ann of Bennington 212176	A	150	Apr	995.7	5.30	52.77	4974.4	258.95

Gaylord, E. K., Gaylord Guernsey Farms, Oklahoma City, Okla.								
Baron's Pride of Fairview 183776	A	365	Apr	692.8	4.73	32.77	10828.6	473.2
Betty's Pride of Hon Terra 257440	E	303	Apr	1001.5	5.13	51.38	10751.6	525.34
Cassie of Onisquethaw 156012	A	243	Mar-Apr	1885.8	4.85	91.48	8435.7	378.56
Cecil's Sally of Fairview 156879	A	232	Apr	1018.4	4.13	42.06	8133.2	357.33
Dalia of Primrose 162927	A	191	Mar-Apr	2183.5	4.45	97.14	7755.3	346.26
Elsie of Fairview 2d 158972	A	317	Mar-Apr	1547.4	4.60	71.14	9893.5	429.62
*Emogene's Favorite of Fairview 197841	A	61	Mar-Apr	2961.8	4.32	127.96		
S. Baron of Koshkonong Place 82924 A. R.		D. Emogene of Egypt Mills 172645						
Fern Hill Violet 229262	A	10	Feb	452.6	3.96	17.92		
S. Royalist's Duke of Fern Hill 110595 A. R.		D. Royalist's Virginia of Fern Hill 182781						
*Frances Marie of Oakwood 147084	A	365	Mar-Apr	1811.0	5.83	105.65	14537.2	773.5
Golden Secret's Royal Lady of Overland 132911	A	205	Apr	1092.7	5.00	54.64	8489.6	419.73
*Imp. Grace of the Salines 185982	A	195	Apr	1019.4	4.13	42.10	8270.0	387.48
*Hallmark Queen Bess 214831	B	322	Mar-Apr	1745.2	4.54	79.20	11784.2	498.35
*Naomi of Mengus Farm 194077	A	326	Apr	1189.5	5.37	63.88	14243.7	724.07
*Sequel's Honora of Four Pine 221453	C	335	Mar-Apr	1926.6	4.22	81.39	12821.7	500.63
Ultra Jess of Hon Terra 265637	D	268	Apr	769.8	5.50	42.34	9195.7	431.93
Gladding, John R., Est., Borrodale Farm, Thompson, Conn.								
*Imp. Bickleigh Jewel IV. 253827	A	76	Mar-Apr	3990.2	4.81	192.07	4898.2	240.83
*Imp. Joan III. of Dairy Farm 253823	A	365	Apr	385.3	6.10	23.50	16342.4	858.9
Gleason, Fred C., Tamarack Ridge Farm, Sodus, Mich.								
†Nancyan of the Ridge 303053	G	121	Apr	763.9	4.95	37.81	3118.7	153.72
†Royalene's Valentine 300023	G	53	Mar-Apr	1709.7	3.75	64.11		
S. Polly's Ultra Ne Plus 109237 A. R.		D. Suke's Royalene 216399 A. R. 24985						
†Royalette's Rose of the Ridge 277835	E	57	Apr	803.1	5.60	44.97	1592.7	82.48
†Rubyann of the Ridge 267724	E	85	Apr	741.3	5.85	43.37	2032.5	128.93
Gluek, Alvin C., Minneapolis, Minn.								
Cherub's Lady of Few Acres 310643	D	217	Mar-Apr	1745.5	6.15	107.30	6830.9	373.82
Gluek Brewing Company, Minneapolis, Minn.								
Gluek Farm Janis 286999	E	58	Mar-Apr	2178.0	4.27	92.99		
S. Cherub's Royal of Shorewood 108746		D. Akona Ruth 164141						
Gluek Royal Rose 267303	E	163	Apr	888.9	4.90	43.56	5838.6	298.27
Langwater Golden Glow 302661	F	209	Apr	1044.9	4.48	46.81	7955.6	347.79
President's Ramona 305523	G	218	Apr	951.3	4.30	40.91	7280.9	317.21
Golinvaux, Joseph, Waterloo, Iowa.								
†Golden Rose of Gordondale 187282	A	159	Apr	837.2	5.50	46.05	5545.5	278.05
†Highland Place Elaine 291621	F	50	Mar-Apr	1734.8	4.14	71.83		
S. Golden Sunbeam of the Prairie 82162		D. Jasmine of Roberts 2d 166460						
Traverdale Betty 258170	D	235	Apr	494.5	4.62	22.85	6364.4	298.81
Griffin, Harry S., Nabnasset Farm, Nabnasset, Mass.								
Imp. Blossom of Nabnasset 320138	D	68	Apr	1185.5	4.61	54.65	2740.0	123.51
Imp. Duchess of Ashleigh 253812	A	222	Apr	1016.1	4.95	50.30	8162.0	414.04
*Imp. Jessamine of Bas Bourgage 253807	A	310	Apr	1016.9	4.84	49.22	12787.5	617.19
Nabnasset Blanchette 338661	G	107	Apr	1022.8	5.33	54.52	3650.6	169.33
Nabnasset Phyllis 338660	G	237	Apr	863.6	5.74	49.57	7098.8	368.24
*Queen's Dawn of Shattoockquis 193683	A	107	Apr	1411.9	4.92	69.47	5186.4	253.14
Grinnell, Lawrence, Birchfield Farm, South Dartmouth, Mass.								
Birchfield Animate 285523	G	213	Apr	1038.3	5.56	57.73	7657.8	386.89
*Birchfield Lassiky 256836	D	26	Mar	1291.9	6.38	82.42		
S. Imp. Bickleigh Sequel 122548 A. R.		D. Birchfield Lassock 194071 A. R. 23443						
Birchfield Roselady 287476	G	223	Apr	922.9	5.76	53.16	7701.6	415.73
Birchfield Rosemead 194073	A	365	Apr	419.7	6.01	25.22	13462.0	715.6
Birchfield Ultra Ruth 235036	B	121	Apr	1170.4	4.90	57.35	5296.6	270.62
Grinnell, Russell, Locust Valley Farm, Exeter, R. I.								
Locust Valley Buttercup 276430	G	288	Apr	755.5	5.80	44.98	8209.5	417.03
Locust Valley Clematis 293504	G	103	Apr	631.4	5.33	33.65	2476.0	130.83
Locust Valley Lavender 276427	G	365	Apr	553.0	6.06	33.51	8506.0	492.7
Gurnett, D. W., Clearing Farm, Kingston, Mass.								
Cytherea of the Clearing 296724	G	84	Feb-Apr	2976.1	4.84	144.16		
S. Atamannsit Mustapha 151960		D. Mildred's Lady of the Clearing 243048 A. R. 26732						
Gurnett, Mary E., Clearing Farm, Kingston, Mass.								
Atamannsit Princess Janis 284544	G	207	Feb	467.4	6.11	28.56	4037.3	216.68
Camille of the Clearing 293961	G	119	Jan-Apr	4151.0	5.77	239.68		
S. Atamannsit Commander 123761		D. Atamannsit Jonquil 168872 A. R. 20892						
Carnation of the Clearing 293962	G	111	Jan-Apr	3961.6	4.49	177.84		
S. Camilla's Majestic of Maple Lodge R. G. A. S. 5458 P. S.		D. Imp. Charmante's Flora 279204						
Imp. Charmante's Flora 279204	B	180	Feb	413.9	5.21	21.56	4070.9	189.65
Clarice of the Clearing 273871	F	203	Feb	426.6	6.37	27.17	3804.6	196.36
†Imp. Fascination V. of Mouilpied 308892	D	170	Feb	518.4	6.46	33.49	3812.8	214.43
*Langwater Titania 154222	A	209	Feb	690.0	5.52	38.09	6791.8	310.85
Imp. Myrtle of Rocque Balan 3089991	D	205	Dec-Apr	4142.7	5.89	243.89	6080.6	336.24
*Imp. Nellie's Diadem V. 278480	A	174	Feb	600.5	5.17	31.05	4810.0	240.43
Imp. Rose Moss of Athenia 280752	G	365	Dec-Apr	3525.2	5.51	194.24	9816.7	489.5
Hast, A. W., Cedar Grove Farms, Berlin Heights, Ohio.								
†Marie of Cedar Grove 260032	D	102	Apr	995.6	4.60	45.80	3944.0	174.03
Hathaway, George, Mistland Guernsey Farm, Brush Prairie, Wash.								
†Liberty's Jewel 253251	D	139	Apr	720.4	5.20	37.46	4102.8	205.37

Hathaway, Lloyd B., Mistland Guernsey Farm, Brush Prairie, Wash.								
†Mistland Lady Anne 283854	F	224	Apr	832.3	4.40	36.62	6451.9	310.62
†Mistland Lady Lenore 254575	C	61	Mar-Apr	2804.1	5.29	148.39		
s. Daybreak Toney 97726 A. R.	D. Imp. Florry's Lady Claire 126059							
†Mistland Lady Lou 280308	E	84	Apr	989.6	4.95	48.99	3107.9	155.62
Mistland Lady Marie 254574	D	210	Apr	862.6	5.77	49.77	7644.6	426.45
*Mistland Molly 215781	A	182	Apr	965.3	5.60	54.06	6845.1	399.78
*†Mistland Star 215782	A	229	Apr	566.1	4.65	26.32	6168.0	306.82
Haywood, T. Holt, Arden Farm, Clemmons, N. C.								
†Cecilly of Big Spring 292829	F	305	Apr	492.1	5.19	25.54	6719.7	336.3
†Lady Hill of W. S. R. 262718	D	152	Jan-Apr	2990.2	4.73	141.33	4074.1	195.31
Rhoda's Ruby of Oakwood 304206	G	182	Apr	535.1	5.15	27.56	3688.6	176.35
†Westmoreland Ultimas Lassie 303068	G	173	Apr	595.2	5.08	30.24	4035.2	197.35
Heifner, C. B. & Son, Villa-Way Dairy Farm, Sullivan, Ohio.								
†Bellmaid of Villa-Way 306593	G	105	Apr	701.9	4.20	29.48	2498.1	105.47
Hekma, Jacob, "Boerderij," Greenwich, Conn.								
*Hazel B. of Edgewater 94551	A	64	Mar	1324.1	5.16	68.32	2846.9	126.34
Jolly Lass of Girdle Ridge 213167	A	51	Mar-Apr	1896.5	5.51	104.50		
s. Chilmark's Itchen Masher 85613	D. Snowball of Girdle Ridge 126385 A. R. 15983							
*Juno's Pride of Girdle Ridge 148610	A	167	Apr	1189.3	5.48	65.17	7851.7	417.41
Marion of Girdle Ridge 205153	A	79	Apr	1225.8	5.36	65.70	3217.9	173.47
Masherlette of Girdle Ridge 205152	A	67	Apr	1346.9	5.49	73.94	3033.5	159.28
Hendee, George M., Hilltop Farm, Suffield, Conn.								
Butterfat Fashion Queen 295213	F	111	Apr	1016.2	5.61	57.01	3880.3	219.39
Butterfat May Queen 279078	G	365	Apr	560.8	6.36	35.67	9215.9	532.5
*Imp. Golden Governess of Hilltop 201440	A	133	Apr	1368.7	5.67	77.61	6474.8	350.37
Heartsease Butterfat Belle 301631	G	90	Apr	962.8	5.51	53.05	3012.6	159.57
Hilltop Bonny Freesia 301635	G	54	Mar-Apr	2287.8	5.54	126.77		
s. Dunwalke Bonny Butterfat 138488	D. Hilltop Butterfat's Freesia 216039							
Hilltop Bonny Millie 301632	G	51	Mar-Apr	1725.7	5.06	87.31		
s. Dunwalke Bonny Butterfat 138488	D. Imp. Hilltop Butterfat's Millie 160765 A. R. 26360							
Hilltop Butterfat Molly 295216	G	83	Apr	1070.3	5.29	56.62	2954.1	153.48
Hilltop Butterfat Rosebud 295212	G	180	Apr	1105.9	6.59	72.88	6554.2	389.77
*Imp. Hilltop Butterfat's Jeannette 175166	A	205	Mar-Apr	1704.4	6.09	103.77	7835.3	435.91
*Imp. Hilltop May Rose 205965	A	113	Apr	1269.4	5.50	69.82	4968.7	274.28
Hilltop Que Vive Annabelle 295215	G	107	Apr	1208.8	5.46	66.00	4349.5	226.13
Hilltop Que Vive Favorite 286958	F	211	Apr	744.4	6.49	48.31	6285.7	390.53
*Imp. Hilltop Rita 253772	A	148	Apr	1323.6	5.66	74.92	7305.8	386.04
Imp. Noble Jane 265847	E	180	Apr	794.5	5.36	42.59	5483.3	292.16
Que Vive Honeymoon 286957	F	209	Apr	764.9	6.35	48.57	6386.2	395.98
Hill, George Watts, Quail Roost Farms, Rougemont, N. C.								
Ann Dudley of Quail Roost 277962	F	190	Mar-Apr	1751.1	6.04	105.69	5918.1	316.19
Cherokee Vallon Lily 242605	E	365	Mar	302.3	6.98	21.10	8708.0	534.6
Claire of Burkeville 230244	C	357	Mar-Apr	1357.1	6.98	94.67	11765.1	646.50
Foremost's Rose of Cherry View 261099	F	365	Mar	92.6	6.20	5.74	7294.6	385.4
*Indian Girl of Cherokee 242600	A	365	Mar	350.5	5.97	20.92	12053.6	646.0
Lady Hester's Fern 201578	A	346	Mar-Apr	1012.5	5.51	55.80	9761.0	461.26
Lassie's Pride of Quail Roost 277964	G	200	Mar-Apr	1936.0	5.30	102.60	6070.2	299.21
Lassie's Rose of Quailroost 248858	E	365	Mar	378.4	7.22	27.32	11441.2	645.0
Maxim's Patience C. 292535	G	102	Mar-Apr	2030.0	4.84	98.22	3521.8	162.07
May King's Polly 343999	F	152	Mar-Apr	1696.3	6.19	105.01	4206.3	229.04
Melvina of Curles Neck 76137	A	365	Mar-Apr	920.9	5.78	53.23	12797.5	626.5
Morven's Wild Violet 268930	B	76	Mar-Apr	2894.5	5.32	154.04	3568.9	182.30
Oakhurst Fascination 303775	A	169	Mar-Apr	2425.5	5.16	125.16	6747.9	320.85
Patience of Burkeville 241334	D	365	Mar	89.9	6.38	5.74	12999.8	703.0
Primrose's Foremost Christine 210696	A	210	Mar-Apr	2138.6	5.09	108.86	8118.1	374.39
Quail Roost Clara 299954	G	108	Mar-Apr	1710.0	4.93	84.31	3246.8	162.23
Quail Roost Jessie 282578	F	121	Mar-Apr	1839.5	5.33	98.11	3856.6	195.49
Quail Roost Papoose 263586	E	349	Mar-Apr	1404.2	6.35	89.20	9345.4	511.43
Quail Roost Primrose Christine 289415	G	217	Mar-Apr	2093.9	5.02	105.01	7518.9	354.21
Quail Roost Sunmaid 290266	F	90	Mar-Apr	1726.5	5.25	90.67	2442.6	127.41
Roughwood Bountiful 257579	E	204	Mar-Apr	1518.8	5.79	88.00	5372.3	294.77
Hinson, J. S., Kershaw, S. C.								
Kenilworth Campfire's Sunset 286795	D	327	Apr	964.7	5.64	54.41	10785.1	530.86
Hollenbeck, J. C., The Oronoko Farm, Berrien Springs, Mich.								
*Dorinda of Oronoko 204139	A	71	Apr	1338.1	6.00	80.29	3118.8	178.23
Hughes, Thomas, Chenar Farm, Easton, Md.								
*Audacity's Rosebud of Coverdale 214808	A	365	Apr	562.0	4.17	23.44	12878.1	526.1
Chenar Guest 300825	G	179	Apr	1012.8	4.42	44.77	5983.8	254.27
Chenar Hostess 300826	G	118	Apr	1137.2	4.11	46.74	4425.7	177.82
Chenar Jingle 301627	G	135	Apr	867.1	4.85	42.05	4101.5	179.19
Illinois, University of, Urbana, Ill. *1 & 2 day tests.*								
Challenger of Prospect's Pride 164710	A	246	Apr	748.7	4.64	34.74	7788.4	337.94
Clyde's Scottish Maid 283377	E	41	Mar-Apr	1582.1	5.12	81.00		
s. Orndale Clyde 80385 A. R.	D. Laddie's Lady Claire 237096							
Illini Lindy Miranda Pride 303560	G	55	Mar-Apr	1640.0	5.34	87.65		
s. Lindenhurst May King 110367	D. Miranda Pride of Oberland 86690 A. R. 10743							
Illini Miranda Girl 271515	E	204	Apr	467.2	5.94	27.75	4164.0	227.02
Prince's Polly of Shantituck 273206	F	365	Mar	224.0	6.28	14.07	8368.3	431.6
Queen Alma of Poskin 283726	E	112	Apr	1027.1	4.70	48.27	4085.0	189.60
Queen's Gem of Woodland Echo 277292	G	362	Apr	637.3	6.07	38.68	9006.9	478.26

Irwin, A. P., Sunny Ridge Farm, Chadds Ford Junction, Pa.								
Angela of Hurley-hurst 233199	C	335	Apr	430.6	5.77	24.85	9003.5	454.06
Anita of Hurley-hurst 223753	B	262	Apr	787.9	5.67	44.67	8210.1	429.02
Aviator's Nellie 184065	A	61	Mar-Apr	2828.9	4.09	115.72		
S. Avaitor's Raider of Waukesha 71368	D. Nellie of Echo Glade 106854							
*Betty's Buttergirl 224107	A	61	Mar-Apr	2334.5	5.03	117.33		
S. Betty's Master of Iowanola 83384 A. R.	D. Buttergirl of Old Orchard 162655							
*Betty's Janet 224103	B	330	Apr	728.8	5.56	40.52	10984.6	589.96
Betty's Nora 224109	B	189	Mar-Apr	2030.5	6.04	122.72	7109.0	380.83
Duvaux Lass of Friendship Farm 280910	G	241	Apr	1038.3	5.50	57.11	8485.9	423.15
Flossie of Lindendell 268624	D	142	Apr	832.5	4.88	40.63	4347.5	197.90
Lad's Fancy 254267	D	152	Apr	840.2	5.24	44.03	4884.2	225.72
Lassie's Gold Rose of Redwood 281111	F	152	Mar-Apr	1994.9	4.77	95.13	5335.4	237.24
Madge of Friendship Farm 265671	F	352	Apr	906.9	6.42	59.22	11247.4	589.52
May Royal's Queen Bab 308817	G	86	Apr	913.5	4.61	42.11	2771.5	120.29
Nonpareil's Royal's Sue 287826	F	49	Mar-Apr	2255.6	4.11	92.62		
S. Nonpareil's Royal of Breidablik 132656	D. Betty's Sue 198113 A. R. 25018							
Riverview's Golden Lassie 290405	G	232	Mar-Apr	1623.3	5.65	91.76	6618.5	322.84
Windflower's Rosetta of Reedhurst 163856	A	269	Apr	807.8	5.90	47.66	8516.1	447.25
Isenhour, C. W., Salisbury, N. C.								
Klondike Beautiful 239416	C	121	Apr	1035.5	4.72	48.88	4643.9	229.70
*Queen Bess of Twin Brook 206616	A	113	Apr	983.6	4.56	44.85	4548.0	198.80
Jeppson, George N., Oakholm Farm, Brookfield, Mass.								
†Brookmont Aleece 182073	A	83	Apr	1169.2	5.02	58.69	3446.0	160.92
†Oakholm's Royal May 239455	C	175	Apr	651.5	4.92	32.05	4872.0	229.63
Jones, Nathan L., Jo Mar Farm, Salina, Kans.								
Belle of Jo-Mar 309332	G	129	Apr	603.8	4.60	27.77	3162.1	130.99
Betty Jane of Jo-Mar 309333	G	138	Apr	547.9	5.33	29.20	3128.1	142.53
Christine of Jo-Mar 295206	G	138	Apr	816.1	4.50	36.72	3710.7	156.30
Fayroyal's Fanchon 277091	D	86	Apr	1218.5	4.20	51.18	3932.8	150.99
Jean of Jo-Mar 295824	G	136	Apr	952.7	4.52	43.06	5079.4	214.62
Kane, John Kent, Shirley Farm, Glenloch, Pa.								
*Fair Field Royal's Ester 205976	A	190	Apr	836.0	5.72	47.82	6404.0	351.63
Laura's Heiress of Shirley 293665	G	121	Apr	692.2	5.85	40.49	3385.3	174.32
Nannette's Dimple Queen of Shirley 243698	D	365	Apr	284.9	5.33	15.19	7656.5	408.7
Perfect Pearl of Shirley 267261	E	256	Apr	434.7	5.08	22.08	5796.3	259.96
Rose Marie of Shirley 294547	G	111	Jan-Apr	2969.3	5.27	156.62		
S. Brookmead's Masterful of Shirley 136386	D. Fair Field Moss Rose 212155							
Royal Esther of Shirley 266560	E	157	Apr	867.9	5.48	47.56	5164.3	273.60
Shirley's Moonbeam 288846	G	235	Apr	1136.0	5.14	58.39	10497.4	496.27
Kaufman, L. G. & M. Y., Loma Farms, Marquette, Mich.								
*Bay Cliffs Glenwood Girl 125878	A	364	Apr	1070.9	4.75	50.87	17733.9	786.96
*Bay Cliffs Princess Burnella 219474	A	151	Mar-Apr	2540.5	5.08	129.06	7288.9	339.70
*Bay Cliffs Rilma 176596	A	155	Apr	1245.1	4.82	60.01	7288.7	325.48
Corium Ultimas' Ideal 231123	B	146	Apr	778.9	6.24	48.60	4426.9	265.61
*Doris of Thousand Springs 214706	A	168	Apr	1078.2	5.22	56.28	6871.7	349.69
Loma Anna 296104	G	83	Apr	1323.0	4.45	58.87	3452.9	151.10
Loma Betsey 266848	E	164	Apr	775.1	5.09	39.45	5030.7	250.11
Loma Defender's Gracious 294745	G	240	Apr	656.9	5.55	36.46	5906.6	303.23
Loma Defender's Paula 294741	G	335	Apr	993.5	6.16	61.20	13065.8	717.40
Loma Doris 296103	G	89	Apr	856.3	5.61	48.04	2485.4	138.90
Loma Double Jennie 324314	G	77	Apr	1106.4	5.48	60.63	2758.0	145.36
Loma Double Paula 311201	G	38	Mar-Apr	1099.4	4.95	54.42		
S. Loma Double 151004	D. Loma Paula 257163 A. R. 27434							
Loma Flora 281172	G	343	Apr	672.4	6.03	40.55	9765.4	535.91
Loma Golden Creamelle 281175	F	119	Apr	821.7	5.21	42.81	3848.4	188.94
Loma Golden Rilma 311198	G	59	Apr	1051.9	5.18	54.49	2019.7	108.20
Loma Maxalaine 294746	G	279	Apr	700.1	5.54	38.79	7084.6	352.90
Loma Max's Princess 294748	G	168	Apr	655.2	6.94	45.47	4022.1	235.69
Loma May King's Rosie 281173	G	263	Apr	824.0	5.35	44.08	7403.2	396.42
*Loma May Rosie 257164	D	166	Apr	1063.8	4.54	48.30	7001.1	304.13
*Loma Sweetheart 246169	B	149	Apr	1020.0	5.11	52.12	6068.9	305.18
Kay, F. C., City Park Dairy, Pueblo, Colo.								
Interlochs Charity 295829	F	58	Mar-Apr	2390.5	3.89	93.06		
S. Interlochs Fame 128080	D. Interlochs Effie 162538 A. R. 20070							
Interlochs Juliet 293381	A	337	Apr	799.2	4.57	36.52	12428.4	532.23
Interlochs Madge 242429	C	121	Apr	1173.6	3.90	45.77	4992.8	207.18
Interlochs Mamie's Mandy 251628	C	105	Apr	901.2	4.97	44.79	3276.8	156.91
Klauder, George C., Valleywood Farms, Penllyn, Pa.								
†Atamannsit Prophetess 233287	B	68	Apr	1080.0	4.75	51.30	2471.8	117.41
†Liberty's Noble Girl 240723	C	173	Apr	940.7	6.10	57.38	6467.7	349.14
Knight, Clarence O., California Dairy Farm, Guilford College, N. C.								
Fern Vista's Pauline 292228	G	200	Apr	695.9	5.31	36.95	4939.8	248.45
Fern Vista's Robust's Rose 293719	G	208	Apr	820.6	4.49	36.84	6177.3	269.39
Fern Vista's Sarah Maude 292227	G	205	Apr	718.6	4.92	35.36	4755.1	231.15
Robust's Blanch 292226	G	205	Apr	890.5	3.81	33.93	6563.6	260.72
Knutzen, E. H., Maple Court Dairy, Burlington, Wash.								
†Pearl's Masher Favorite 251600	E	287	Nov	250.2	5.90	14.76	9779.4	497.6
Koch, Harry F., Sheldegren Farm, Greenfield, Mass.								
*Aiyukpa K. Daphne 241228	C	101	Mar-Apr	2539.4	5.26	133.48	4448.8	228.38
Duchess of Sunset Hill 172928	A	128	Mar-Apr	2555.8	5.53	141.37	5712.5	297.80

Koch, Robert M., Sheldegren Farm, Greenfield, Mass.								
Sheldegren Golden Violet 252914	D	162	Mar-Apr	2311.9	5.97	138.07	6744.0	377.50
Koch, William H., Sheldegren Farm, Greenfield, Mass.								
Cassandra of Sunset Hill 238610	C	146	Mar-Apr	1952.5	5.83	113.86	5207.1	280.10
Sheldegren Cora 218662	A	173	Mar-Apr	2886.6	5.67	163.66	8431.2	436.49
Krobitzsch, R. W., Troutmere Guernsey Farm, La Honda, Calif.								
*Ethel May of Troutmere 182064	A	171	Mar-Apr	3368.5	3.91	131.66	11182.2	412.32
Lavina Goldine of Grangeville 253095	D	222	Mar-Apr	1815.7	5.25	95.31	7104.8	377.83
*Mission Farm Topsy 250070	D	340	Mar-Apr	1586.5	5.91	93.75	10975.8	611.58
Peek-a-Boo of Orchard Hill 138071	A	313	Mar-Apr	1886.1	5.78	109.08	12307.2	627.35
Troutmere Aurora 282554	F	209	Mar-Apr	1800.5	5.76	103.71	7209.9	381.11
Troutmere Edna 282556	G	222	Mar-Apr	2022.3	4.42	89.48	7584.0	345.61
Troutmere Manda 299909	F	105	Mar	1149.3	5.28	60.68	4336.4	190.67
Kruse, Simon, Radisson Farm, Anoka, Minn.								
Belle's Mayflower of Radisson 345480	G	227	Apr	474.8	5.49	26.07	4120.2	246.34
Bessie of Pine View 282438	F	188	Apr	808.9	3.98	32.19	5422.0	248.24
Camilla of Radisson 320996	E	158	Apr	780.9	4.92	38.42	4780.8	259.72
Coronet's Daisy Moon 258326	D	261	Apr	502.9	5.73	28.82	5517.8	329.11
Coronet's Mary 289951	F	209	Apr	654.4	4.97	32.52	6097.1	303.72
Flora's Bonny Rose of Radisson 345479	F	209	Apr	930.3	5.26	48.93	7118.5	381.52
*Flora's Coronet of Radisson 247890	A	63	Apr	1531.5	4.51	69.07	3164.4	142.11
*Maxime's La Noce 208884	A	63	Mar-Apr	3495.1	4.33	151.26	3590.4	155.83
May Rose Helen of Radisson 276493	A	289	Apr	559.4	4.72	26.40	7646.6	370.74
Radisson's Annetta 355578	G	66	Apr	853.1	3.95	33.70	1907.7	75.79
Trinket of Radisson 284406	F	261	Apr	396.3	4.33	17.16	5733.8	281.38
Lapham, Henry G., Cramond Farm, Brookline, Mass.								
Cramond Actress 270064	G	365	Apr	76.3	6.37	4.86	8550.8	534.3
*Cramond Mirth 250992	E	274	Apr	651.1	5.17	33.66	6525.9	319.90
*Cramond Pearl 217428	B	274	Apr	680.4	5.78	39.33	7047.9	368.91
Cramond Phyllis 307901	G	72	Apr	663.4	5.26	34.89	1573.4	83.23
Lasker, A. D., Mill Road Farm, Everett, Ill.								
Miss Cavalier of Webb Farms 173896	A	167	Apr	889.0	5.42	48.18	6422.2	326.17
Sunnyside's Miss Cavalier 226034	B	182	Apr	1062.7	5.55	58.98	6731.1	355.34
*Wendmere Topsy 241259	C	60	Mar-Apr	3027.4	4.97	150.38		
S. Aiyukpa Gerar Daughter's Royal 110835 A. R.			D. Italia's Topsy 137161 A. R. 22715					
Lathers, Charles T., Chickagami Farm, Brutus, Mich.								
Aouschik Wewib 222739	C	365	Mar-Apr	467.6	5.40	25.25	6742.6	288.5
Benakwanes of Chickagami Farm 250582	E	353	Mar	261.3	5.10	13.33	7986.9	297.0
Bijigodiso of Chickagami Farm 272393	G	365	Mar-Apr	930.7	4.18	38.91	5814.0	251.1
Comely of Quirk Farms 114964	A	365	Jan-Apr	1685.3	4.16	70.06	8856.3	338.5
Dolly of Chickagami Farm 199733	A	365	Mar-Apr	437.6	7.24	31.68	6815.8	368.8
Kaka Oswag Aki 298324	G	217	Feb-Apr	1210.0	5.75	69.62	3625.4	183.50
Kitigan Tchishangwaigan 223469	C	354	Mar	296.0	6.20	18.35	7633.2	378.9
Misimin of Chickagami Farm 251848	E	335	Mar-Apr	917.8	4.87	44.72	9076.7	361.16
Miskojis Bagak 282939	G	237	Mar-Apr	1255.7	4.20	52.77	5978.7	233.23
Nadawe Aki of Chickagami Farm 272390	F	365	Mar-Apr	550.9	5.55	30.57	7232.3	328.5
Pinewoods Bonny 222738	C	331	Mar	29.6	5.36	1.59	6518.5	303.6
Saswewebinigan of Chickagami Farm 241296	E	365	Mar-Apr	668.5	4.85	32.43	7255.4	312.4
Latta, J. E., Hillsboro Farm Hillsboro, N. C.								
†Regina of Constance 300527	G	97	Apr	814.9	5.38	43.84	2541.9	130.98
Leinbach, H. M., Lonicera Farms, Douglassville, Pa.								
*Lonicera Heloise 193057	A	95	Apr	1128.6	5.71	64.44	3864.1	211.71
*Lonicera Peerless 199506	A	200	Apr	867.7	4.65	40.35	6737.8	330.63
Lonicera Thelma 168279	A	121	Apr	1280.7	4.94	63.27	5708.4	298.78
Lewis, Clarence McK., Skylands Farm, Sterlington, N. Y.								
*Fairydale Primrose 234057	A	113	Apr	844.8	5.20	43.93	3407.9	175.10
*Mixter Pippin 101644	A	184	Apr	1255.0	5.70	71.54	7966.9	439.41
*Morven's Norma's Delight 159042	A	341	Apr	597.1	6.24	37.26	8737.3	503.10
*Skylands Bijou 260801	D	167	Apr	700.5	6.69	46.86	4662.3	308.30
Skylands Pippin 260802	E	327	Apr	513.3	5.38	27.62	6847.7	345.06
Skylands Vamp 272155	F	254	Apr	736.4	4.74	34.91	6752.3	315.40
Liebers, Lawrence, "Skyline," Lincoln, Nebr.								
Skyline Prospect Flora 269376	D	89	Apr	1272.9	5.51	70.14	3960.8	230.61
Lipscomb, Charles E., Easton, Md.								
Gayhead's Butter Lass 249395	D	365	Mar-Apr	621.8	6.15	38.24	10809.9	530.2
Lyon, Chester A., Antietam Farm, Waynesboro, Pa.								
Antietam Gem's Blossom 265238	E	225	Apr	745.0	5.90	43.96	6250.1	362.36
Antietam Gem's Nightingale 316948	G	143	Apr	889.3	5.09	45.27	4425.1	219.16
*Imp. Elmo's Blossom 2d 237532	D	320	Apr	667.2	6.03	40.23	9919.2	541.17
Lyon, Elinor L. P., Overroad Farm, Norwalk, Conn.								
†Anticlea 180836	A	168	Apr	712.6	5.23	37.27	4438.0	219.97
†Avalon Cornflower 221811	A	142	Apr	874.8	5.20	45.49	4702.9	215.99
†Lystra's Snowdrop 197921	A	111	Apr	899.3	5.52	49.64	3883.9	188.71
Lyon, James P., Overroad Farm, Norwalk, Conn.								
Conjuror's Deux of Millside 276439	F	298	Apr	647.7	6.49	42.04	7693.4	419.70
Mallory, Robert B., Guernsey Farm, Williamsburg, Va.								
Bell of Guernsey Farm 264198	A	182	Mar-Apr	2247.1	5.05	113.47	7336.5	335.40
Cary Grayson's Buttercup 181396	A	182	Apr	950.7	4.90	46.58	6576.5	300.34

Daisy Girl of Guernsey Farm 184634	A	160	Feb-Apr	3021.3	5.42	163.61	6027.3	295.94
Hope of Guernsey Farm 229833	A	129	Apr	1040.3	5.29	55.03	5055.0	249.89
Manual Training School, Bordentown, N. J.								
*†Aiyukpa K. Laughter 221551	A	75	Feb-Apr	1801.4	5.98	107.78		
S. Langwater Eastern King 63072 A. R.		D. Langwater Laughter 93086 A. R. 12579						
†Betty's Bab 224114	B	223	Apr	504.1	5.87	29.59	4513.7	248.47
†Camp's Petunia Prodigy 293589	G	130	Apr	1004.3	4.56	45.80	4676.4	211.21
Flossie Honor 268735	F	177	Apr	688.6	5.08	34.98	4500.1	228.49
†Helen Hyacinth 252838	E	252	Apr	293.2	5.43	15.92	4530.9	223.24
†May Royal's Essie 294774	F	42	Mar-Apr	1392.5	4.09	56.95		
S. May Royal's Cherub 130298		D. Ornament's Essie of Friendship Farm 173277 A. R. 20541						
Noble's Hyacinth Princess 258793	E	171	Apr	610.2	4.41	26.91	4329.6	194.14
†Nonpareil's Royal's Agatha 286691	F	130	Apr	882.9	5.43	47.94	4273.7	216.96
Marshall, J. Albert, Marshallvale Farm, Kennett Square, Pa.								
†Golden Fern's Ultra Fern 264885	E	232	Apr	688.3	4.21	28.98	6605.3	282.67
†Langwater Martha 276142	D	182	Apr	747.4	5.00	37.37	5137.2	232.70
†Mabel of Highway 4th 264888	F	260	Apr	584.1	5.42	31.66	6190.6	282.61
†Marshallvale Dairymaid 284493	G	260	Apr	665.2	5.01	33.33	5935.8	280.43
†Marshallvale Jeanette 280881	G	305	Apr	168.7	5.21	8.79	6775.4	311.1
†Marshallvale Netoria 296347	G	165	Apr	697.1	5.03	35.06	4309.9	206.47
Maurer, C. E., Ivyngton Farms, Ravenna, Ohio.								
Edinham's Honor Hazel 314567	G	185	Apr	765.7	5.67	43.42	5388.4	271.24
Hepsy Ann of Wondom Valley 255036	D	140	Apr	1024.0	5.53	56.63	5358.3	279.42
Ivyngton Ann 251377	C	88	Apr	1359.0	3.56	48.38	4282.8	155.83
Ivyngton's Annette 356886	G	76	Apr	1073.0	3.87	41.53	2795.3	109.90
Ivyngton Yellow Daisy 312738	E	225	Apr	641.2	6.06	38.86	5808.3	324.53
Prudence's Queen of Cedarhill 228557	A	88	Apr	1532.5	4.44	68.04	4475.4	221.15
Maurer, E. W., Ivyngton Farms, Ravenna, Ohio.								
Ivyngton Bessie 290828	G	202	Apr	984.2	4.80	47.24	6963.6	311.05
McAlpin, D. H., Brooklawn Farms, Morris Plains, N. J.								
*Antoinette's May King Daughter 176740	A	278	Apr	465.9	5.60	26.09	7069.2	342.76
*†Lady of Brooklawn 265373	E	173	Apr	699.9	5.67	39.68	4784.2	260.57
†May King of Brooklawn's Daughter 229736	B	236	Apr	821.8	5.26	43.23	6929.1	356.18
*†Queenie of Brooklawn 265376	E	53	Mar-Apr	2103.4	4.92	103.49		
S. Viola's May King of Brooklawn 90981 A. R.		D. Antoinette's May King Daughter 176740 A. R. 22400						
†Senator's Auntie of Brooklawn 295228	G	84	Apr	798.1	4.71	37.59	2259.3	112.18
†Senator's Lady of Brooklawn 295227	G	150	Apr	417.0	6.69	27.90	2494.7	157.71
†Viola's Daughter of Brooklawn 289587	G	163	Apr	498.9	5.26	26.24	2923.9	150.89
*Viola's May King Lady Antoinette 224154	A	121	Apr	958.6	5.52	52.91	3903.4	209.40
McLean, George P., Est., Holly Farm, Simsbury, Conn.								
Beauty's Pink Rose of Greenwood Farm 175050	A	92	Apr	1229.0	5.39	66.24	4032.4	211.33
Holly Farm Minerva 271146	E	149	Apr	811.7	6.43	52.19	4557.8	266.39
Holly's Loyalty 248002	C	152	Apr	900.0	5.99	53.91	5572.8	299.78
*Jeannette's Ultra Maid 118782	A	177	Apr	788.9	5.59	44.10	5589.8	295.65
*Riverview's Governor's Darling 243144	C	63	Feb-Apr	3814.1	5.61	214.08		
S. Riverview's Stars and Stripes Governor 98021 A. R.		D. Proud's Darling of Paradise 118638						
Threebrook's Diana 179488	A	365	Apr	603.0	5.79	34.91	10268.0	572.5
McLoughlin, John E., Bonnie Brae Farm, Clinton, N. Y.								
Bonnie Brae Actress 273849	E	165	Apr	989.8	5.33	52.76	6881.9	350.95
Bonnie Brae Pansy 275148	D	87	Apr	1274.7	4.61	58.76	3856.3	169.45
Bonnie Brae Sunmaid 273847	E	138	Apr	905.9	5.53	50.10	4562.8	239.43
*Cora's Royal Fancy of Bonnie Brae 199426	A	265	Apr	754.7	5.66	42.72	7903.2	455.77
*Estella Ultra Lassie of Suburban Farm 93933	A	365	Apr	72.3	5.72	4.14	13844.8	683.9
Red Rose of Bonnie Brae 263011	F	365	Apr	417.5	7.02	29.31	8598.5	517.7
Ward Acres Nora 272754	G	365	Apr	791.7	6.46	51.14	11192.2	613.4
Melius, L. L., Reverie Farms, Warren, Conn.								
†Dorna Lenfestey 217593	A	260	Apr	393.8	4.54	17.88	6027.5	276.06
*†Gayhead's Dahlia 231059	A	58	Feb-Mar	2022.1	5.11	103.31		
S. Gayhead's Knight 71946 A. R.		D. Ultra's Itchen Daisy 84136 A. R. 18990						
†Meadowland Tressa 199139	A	305	Apr	304.4	6.11	18.60	5450.2	279.0
Reverie's Ace 239111	D	365	Apr	173.2	6.00	10.39	6460.9	342.2
*†Reverie's Berta 267566	E	89	Feb-Mar	1279.6	4.85	62.10	1907.2	92.29
†Reverie's Carmen 287346	F	41	Feb-Mar	1279.0	5.35	68.38		
S. Reverie May King 128216 A. R.		D. Dondee Lenfestey 217592						
Michigan State College, East Lansing, Mich.								
Scottland Farms Patricia 315276	E	115	Apr	1270.7	3.78	48.03	5348.3	213.55
Millay Brothers, Richmond, Maine.								
Cavalier's Nelia of Millay Homestead 237362	C	206	Apr	811.0	7.34	59.53	5924.8	356.89
Medium's Delight of M. H. 258854	E	272	Apr	538.3	6.30	33.91	7068.6	399.73
Princess Delight of Millay Homestead 184609	A	90	Apr	985.4	6.24	61.49	3157.6	187.10
Raven's Pearl of M. H. 258852	E	304	Apr	642.3	6.35	40.79	8310.9	444.38
Ruth's Princess of Millay's Homestead 250917	E	365	Apr	384.9	6.10	23.48	10704.9	604.3
Miller, Amos C. & Kuns, Harry C., Caswell Farm, Castalia, Ohio.								
†Caswell's Pearl 275455	E	85	Apr	850.7	4.10	34.88	2465.4	113.09
†Caswell's Rosebud 299736	G	56	Apr	897.7	4.75	42.64	1594.8	73.66
†Daisy of Menz Farm 275381	E	139	Apr	938.6	5.01	47.02	4512.0	220.78
†Pearl of The Stoops Farms 162221	A	65	Apr	1068.3	4.80	51.28	2219.8	110.01
Miller, Amos C. & Kuns, Harry C. & Sons, Caswell Farm, Castalia, Ohio.								
Abbey Bland of Phillips Farm 213876	A	133	Apr	883.1	3.75	33.12	4553.1	165.87
†Caswell's Abbey 299735	G	83	Apr	832.7	4.30	35.81	2448.1	104.13

Caswell's Babette 268969	E	141	Apr	984.8	3.74	36.83	4990.5	196.07
Caswell's Jewel 274158	E	171	Apr	589.3	4.30	25.34	4782.4	231.03
†Caswell's Josephine 268968	E	203	Apr	542.4	5.50	29.83	5211.8	281.17
†Dot of Phillips Farm 278993	E	67	Apr	1201.3	3.59	43.13	2636.6	100.83
Wagner's Flossie 299741	G	180	Apr	766.6	4.95	37.95	4793.2	226.40
Miller, B. D., Bethany Homestead Farms, Honesdale, Pa.								
Bethany Aleta 304997	G	83	Apr	904.6	4.65	42.06	2628.7	116.49
Bethany Meadowlark 290261	G	213	Apr	836.8	4.99	41.76	6330.3	327.96
Bethany Penelope 293088	G	75	Feb-Apr	2279.9	4.88	111.24		
S. Homestead Pharaoh 129323	D. Imp. Richmond's Butterfat of the Grove 226894							
*Imp. Clara's Butterfat of the Grove 226892	A	83	Apr	1431.4	4.57	65.41	4158.5	204.24
*Glenburnie Dawn 175873	A	335	Apr	1192.3	4.56	54.37	15159.6	676.37
Homestead Antoinette 285451	F	231	Apr	800.6	5.45	43.63	6503.1	329.81
*Homestead Felois 230592	B	101	Apr	1259.7	4.43	55.80	4662.7	224.08
*Imp. Lady Moss Rose of the Hubits 291733	B	76	Feb-Apr	2888.9	4.87	140.72		
S. Imp. Archer of Cloture 133486 A. R.	D. Lady Rose of the Hubits R. G. A. S. 17413 P. S.							
*†Langwater Hayes Daisy 177726	A	116	Apr	1406.3	4.33	60.89	5570.1	238.24
*Imp. Miss Louie of the Grove 291724	A	67	Feb-Apr	3585.1	4.44	159.14		
S. Imp. Archer of Cloture 133486 A. R.	D. Miss Louie of Beau Sejour R. G. A. S. 22416 P. S.							
*Red Echo Jessica 122562	A	348	Apr	1096.7	5.54	60.76	15822.0	820.53
Miller, John A., Meadowbrook Farm, Nazareth, Pa.								
*Stony Hill Lily 132935	A	161	Mar-Apr	3410.5	4.01	136.76	9913.8	399.85
Mills, Charles S., Brechinwood Farm, Jaffrey, N. H.								
Argilla May Charity 251190	E	360	Apr	480.1	6.56	31.49	8211.6	475.69
Mistr, A. & Sons, Midview Farm, Richmond, Va.								
Midview's Charity 304170	G	154	Apr	625.8	5.11	31.98	4153.6	191.34
Midview's Gold Dust 308955	G	105	Apr	1033.0	3.93	40.60	3642.5	147.98
Winston Farms Celia 232897	C	212	Apr	827.9	4.04	33.45	6633.5	269.53
Winston Farms Gloria 242136	C	119	Apr	1330.7	3.27	43.51	5673.7	197.34
Winston Farms Vera 232896	C	194	Apr	684.3	5.51	37.70	5527.8	264.12
Montgomery, W. E., Cimmaron Farms, Montour, Iowa.								
*Andrew's Golden Fawn 221546	A	152	Apr	967.8	4.45	43.07	5939.4	267.60
Bell's Beauty of Ames 279416	F	95	Apr	814.6	5.20	42.36	2750.4	142.52
Cimmaron's Star of Ardyce 268951	E	102	Apr	883.7	4.40	38.88	3164.9	140.14
Memento's Grace of Cloie Fork 242951	B	47	Mar-Apr	2263.3	3.50	79.22		
S. Memento of Highland Place 65578 A. R.	D. Marie of Liberty 155116							
Morris, E. B., Bolton Farm, Bristol, Pa.								
Club Girl of Silverbrook 141742	A	158	Apr	774.5	5.05	39.11	4529.1	206.49
*Cyclops' Sultana of Harriton 223092	A	291	Apr	1113.1	5.45	60.66	13280.8	699.37
Dimple Madge of Bolton 272975	E	43	Mar-Apr	1291.8	5.64	72.86		
S. Daylo Dimple King 140068	D. Star's Daylo Countess 209881							
Meadow Spring Janette 236944	C	192	Apr	843.7	5.25	44.29	6950.7	356.61
Star's Daylo Queen 263329	E	230	Apr	688.4	6.19	42.61	5805.1	335.20
Mountain Park Institute, Mountain Park, N. C.								
*Beechford's Beatrice 191200	A	202	Apr	439.2	5.17	22.71	4656.7	256.22
Beechford's Marie 217463	A	294	Feb-Apr	815.2	5.94	48.39	4545.7	242.43
Laurel Hill's Lady 307786	G	330	Apr	329.1	5.60	18.43	5694.1	323.55
Mudgett, Vernon D., Deershorn Farm, Sterling Junction, Mass.								
Deershorn's Alice 269259	A	77	Apr	1325.2	4.77	63.21	3400.9	176.35
Deershorn's Charity 322128	E	214	Apr	965.1	4.90	47.29	8273.2	375.53
Deershorn's Hope 288958	C	237	Apr	833.7	6.22	51.86	8181.6	401.36
Deershorn Silver Godey 349411	G	179	Apr	830.9	5.39	44.79	5413.4	270.98
Deershorn's Perfection 295860	C	126	Apr	934.5	5.51	51.49	4754.3	275.97
Deershorn's Silver Faithless 354823	G	86	Apr	960.9	6.07	58.33	2789.4	151.04
Deershorn's Silver Margery 357074	G	63	Feb-Apr	2597.0	3.80	98.73		
S. Lynbrook Silver Cloud 153439	D. Deershorn's Helen 269258							
Munn, Wayne A., Janesville, Wis.								
†Sailor Boy's Tom Girl 198167	A	117	Apr	1055.0	5.15	54.33	3777.9	217.71
†Valentine's Golden Lassie 331147	D	69	Apr	767.0	3.70	28.38	1843.4	67.67
†Valentine's Honour's Lass 299966	G	61	Apr	744.0	4.45	33.11	1416.4	60.68
†Valentine's Mattie 352253	G	117	Apr	910.2	5.25	47.79	3620.8	196.87
Nebraska, University of, Lincoln, Nebr.								
*Glory Girl 208656	A	144	Apr	1259.3	4.10	51.63	6411.6	280.50
Greyholme's Slogan's Faith 304774	G	110	Apr	990.9	5.17	51.23	3918.3	206.91
Max's Best of U. Neb. 274643	G	365	Apr	118.4	5.81	6.88	7057.9	373.1
Max's Bizarre of U. Neb. 263781	E	57	Mar-Apr	1501.9	5.02	75.41		
S. Bournedale Count 129491	D. Bride Bess of Hilldene 215869 A. R. 24185							
Max's Bunty of U. Neb. 269634	E	62	Apr	510.0	5.44	27.74	1316.5	79.03
Queen Nivolette 2d 325352	G	308	Apr	727.2	5.03	36.58	8270.6	384.03
Osborne, Florence, Osborne Farms, Canton, N. C.								
Belinda Haywood 297396	G	264	Apr	930.8	5.10	47.47	9048.0	437.34
*Val's Vera of Garden Creek 182248	A	23	Mar	1181.2	5.06	59.77		
S. Millmount's Cavalier 97438 A. R.	D. Garden Creek's Lily of the Valley 99726 A. R. 13635							
Osborne, H. Arthur, Osborne Farms, Canton, N. C.								
Senorita of Garden Creek 256062	D	184	Apr	996.9	5.18	51.64	6464.4	319.22
Osborne, M. Louisa, Osborne Farms, Canton, N. C.								
Kinnie Cable of Garden Creek 168589	A	196	Apr	987.5	5.14	50.76	7901.4	378.47

Ox Bow Farm, Alpena, Mich.								
†August of Ox Bow Farm 294543	G	227	Apr	711.2	5.09	36.20	5515.6	251.80
Cliff's Leaf of Ox Bow Farm 284471	G	179	Apr	630.7	4.95	31.22	3907.8	178.65
†December of Ox Bow Farm 302737	G	40	Mar-Apr	1005.8	4.35	43.75		
S. Cherub's Guide of Brookwood 118654	D. Maple Leaf of Ox Bow Farm 221375							
†Elm Bay of Ox Bow Farm 245744	C	112	Apr	964.0	4.71	45.40	3642.8	161.02
Fletcher's June of Four Mile 93957	A	231	Apr	1170.7	3.90	45.66	10985.9	424.80
†Golden June of Ox Bow 243750	C	150	Apr	894.7	4.50	40.26	5127.4	203.02
†Jane of Ox Bow Farm 221374	A	55	Apr	988.9	3.95	39.06	1728.8	71.99
Meadow Queen of Ox Bow 262060	D	144	Apr	956.7	4.46	42.67	5167.2	228.02
†Pansy Queen of Riverside 231696	B	65	Apr	978.3	4.45	43.53	2048.6	101.00
Pine Cliffs of Ox Bow 264205	E	179	Apr	609.5	5.80	35.35	3717.9	197.95
*†September of Ox Bow Farm 268628	E	50	Mar-Apr	1663.0	4.07	67.69		
S. Bay Cliffs Century 110029	D. Fletcher's June of Four Mile 93957							
†Violet of Ox Bow Farm 304020	G	100	Apr	442.0	5.93	26.21	1539.0	83.31
Pedigreed Seed Company, Hartsville, S. C.								
Coker Cavalier's Silver 284499	G	195	Apr	817.6	5.76	47.09	5275.7	273.45
Coker Cavalier's Zada 288281	G	139	Apr	874.6	5.31	46.44	4087.8	197.77
Coker Honeysuckle 288280	G	213	Apr	869.6	4.91	42.70	6346.7	311.96
*Coker Queen Helen 238228	B	112	Apr	1376.8	5.46	75.17	5364.2	275.53
*Coker Silver Grape 187467	A	182	Apr	1184.1	5.78	68.44	7832.7	429.88
Coker Virginia Carnation 296551	G	59	Mar-Apr	2352.3	4.78	112.44		
S. Langwater Virginian 79776	D. Coker Golden Carnation 135458 A. R. 17418							
Florentine Eastern Lady 232070	C	286	Apr	685.2	6.05	41.45	8495.9	463.26
*Helen Gould of Coker Farms 134984	A	365	Apr	978.8	5.86	57.36	14203.3	754.4
Lady Diana of Clover Farm 217772	A	152	Apr	717.7	5.98	42.92	3938.9	237.45
Penney, J. C., Emmadine Farm, Hopewell Junction, N. Y.								
Raider's Mary Frances 283068	F	130	Apr	674.1	6.13	41.32	2920.7	159.27
Raider's Olga 292203	G	161	Apr	904.8	5.79	52.39	5048.6	248.17
Penney-Gwinn Corporation, J. C., Emmadine Farm, Hopewell Junction, N. Y.								
Eminent's Goldenrod 298445	G	365	Apr	295.2	7.10	20.96	9819.4	590.4
Fayroyal's Edwina 249167	E	362	Apr	648.2	5.39	34.94	8888.6	459.19
*Fayroyal's Eliza 249139	C	243	Apr	965.7	4.90	47.32	7637.2	383.34
Fayroyal's Garnet 305768	G	238	Apr	1082.4	5.23	56.61	8283.2	396.72
Fayroyal's Gussie 305764	G	243	Apr	859.2	4.90	42.10	7424.5	340.84
*Foremost's Annette 155560	A	356	Apr	732.3	5.86	42.91	11585.7	611.83
*Foremost's Dorcas 221209	A	160	Apr	966.9	5.46	52.79	5742.9	261.57
Gay Lad's Cecelia 270197	F	225	Apr	922.8	5.50	50.75	7190.5	356.16
*May Royal's Elena 249163	D	324	Apr	675.6	6.96	47.02	9165.2	540.33
May Royal's Fannette 277097	D	106	Apr	697.0	6.32	44.05	2840.7	144.23
Supreme's Flapper 277113	G	365	Apr	446.6	6.88	30.73	11649.0	675.1
Supreme's Generous 317312	G	102	Apr	923.2	5.31	49.02	3420.3	153.61
Supreme's Gila 334051	G	95	Apr	897.3	4.88	43.79	3081.4	129.75
*Valor's Belinda 194046	A	305	Apr	869.4	6.10	53.03	11521.3	582.68
*Valor's Charity 187201	A	97	Jan-Apr	3872.2	5.51	213.46		
S. Langwater Valor 79775 A. R.	D. Katonah's Dew Drop 76698 A. R. 8584							
Valor's Fidelia 277105	F	328	Apr	898.5	5.39	48.43	10096.1	488.87
Valor's Floss 277089	E	365	Apr	66.2	5.57	3.69	10779.4	507.5
Valor's Foxy Girl 277098	E	254	Apr	710.3	6.10	43.33	7319.6	397.76
Valor's Gay Girl 298450	F	234	Apr	743.7	6.38	47.45	6937.2	395.24
Valor's Glamour 298448	G	365	Mar-Apr	2073.4	6.17	127.89	13835.0	669.4
Valor's Grace 298449	G	322	Apr	922.2	6.54	60.31	11656.7	649.67
*Valor's Lelah 185395	A	212	Apr	1239.7	5.50	68.18	9628.2	468.89
Pennsylvania State College, The, State College, Pa.								
Stars and Stripes' Emily 272326	E	156	Apr	908.2	4.42	40.14	5341.1	232.78
Perkins, George W., Glynwood Farm, Cold Spring, N. Y.								
†Glynwood's Blue Bell 323284	F	31	Mar	1091.2	6.07	66.24		
S. Rex, Daisy's Darling 109059	D. Amco Desire 191428							
Glynwood's Fern 323277	F	254	Apr	929.7	5.53	51.41	8812.1	431.87
†Glynwood's Primrose 290785	F	140	Apr	781.6	5.39	42.13	4163.9	207.88
†Glynwood's Sunflower 323280	F	305	Apr	361.2	5.24	18.93	9134.1	403.0
†Tina Belle of West Berne 247135	A	105	Apr	960.1	5.47	52.52	3890.7	201.12
Pierce, A. J., Edgerton Farm, Bennington, N. H.								
Edgerton's Sailor Beauty 240114	C	166	Apr	754.4	4.87	36.74	4664.0	225.92
Edgerton's Warrior's Dimple 217764	B	284	Apr	580.7	4.93	28.63	7012.6	330.59
Pratt, J. L., Sherwood Forest Farm, Fredericksburg, Va.								
Glencairne's Nobel of Sherwood 299119	G	86	Apr	1076.7	4.31	46.41	3175.4	142.24
Gloria of Sherwood Forest 212361	A	78	Apr	1036.3	5.34	55.34	2751.4	141.28
*†Rockingham Darling 303508	D	179	Apr	996.8	4.55	45.35	6796.6	292.39
*Rockingham Fleurie 290299	C	144	Apr	908.6	6.03	54.79	4825.7	273.31
Rockingham Sunbeam 303510	G	194	Apr	503.6	5.97	30.06	3986.7	223.00
Swanson of Sherwood Forest 302448	G	166	Apr	789.7	5.16	40.75	4686.3	233.95
Woodstock's Mabel 263612	E	61	Mar-Apr	2259.7	4.60	103.86		
S. Morven's Excelsior King 100377	D. Nancy May of Elmwood 148526							
Price, S. C., Coldspring Farm, Saint Johns, Pa.								
Coldspring's Frances 284511	G	341	Apr	570.6	6.00	34.24	9738.7	539.35
*Coldspring's Katherine 254215	D	219	Apr	1103.6	4.98	54.96	9321.0	471.22
Coldspring's Martha Lou 289729	F	61	Mar-Apr	2870.8	4.14	118.87		
S. Cosquay's Foremost 128093 A. R.	D. Cora of Phillips Farm 153921 A. R. 19656							
Coldspring's Mary Jane 260599	F	365	Mar	23.2	5.48	1.27	11691.1	592.4
Coldspring's Sarah 254216	E	268	Apr	735.7	5.97	43.92	8637.7	442.56

Pyle, E. Baker, Brightside Farm, Phoenixville, Pa.								
*†Abbeyleix Isabelle 170789	A	243	Apr	783.0	4.81	37.66	9667.5	453.37
†Brightside Madame Queen 306892	G	90	Apr	577.4	4.64	26.79	1916.3	94.72
Brightside Marie 292982	G	202	Apr	769.6	5.28	40.63	5722.1	287.71
†Brightside Martha 292983	G	208	Apr	838.0	5.17	43.32	6617.5	335.63
†Brightside Ultra Mary 238334	B	121	Jan-Apr	5283.7	5.27	278.66		
S. Walnut Grove Foremost 86933 A. R.	D. Abbeyleix Ultra Mary 154503 A. R. 21562							
†Daylo Sunflower 197709	A	231	Apr	805.0	5.18	41.70	7173.7	375.70
†May of Brightside 263378	E	208	Apr	1016.4	5.29	53.77	7791.7	398.12
*†Princess Mary of Brightside 229988	B	162	Apr	1011.2	4.63	46.82	6008.5	290.52
†Proud Knight's Mollie 267238	E	208	Apr	855.2	5.47	46.78	6587.8	358.23
†Star's Daylo Frances 194691	A	231	Apr	753.4	5.59	42.12	7010.6	386.22
Raskob, Helena S., Pioneer Point Farm, Centerville, Md.								
*†Annabel of Pioneer Point 233685	B	121	Apr	1000.1	5.44	54.41	4700.4	237.65
Ding Dong of Pioneer Point 260528	E	305	Apr	722.7	5.58	40.33	8707.6	435.00
Dividend of Pioneer Point 274442	G	305	Apr	628.9	7.06	44.40	6602.9	394.17
†Louisiana of Pioneer Point 260531	E	139	Apr	879.4	5.35	47.05	4491.6	224.41
†Maggie's Snowdrop 291368	G	90	Apr	1338.8	4.35	58.24	4133.3	174.55
Milky Whey of Pioneer Point 274440	G	305	Apr	581.4	6.53	37.97	6771.8	371.73
†Pearl of Bloomfield 260530	E	165	Apr	961.5	5.76	55.38	5860.8	310.59
†Rose Marie of Pioneer Point 274438	E	42	Mar-Apr	1314.7	5.50	72.32		
S. Cherub's Ultimo of Shorewood 128809	D. Dividend's Violet of Crane Farm 143738							
Rice, F. B., Fox Run Farm, Peterboro, N. H.								
Fox Run Lady May 289667	F	109	Apr	1172.5	4.54	53.23	4166.1	191.14
Fox Run Quality 250775	D	186	Apr	778.5	5.55	43.21	4851.3	252.23
*Hilltop Butterfat's Florette 199647	A	73	Apr	1278.1	5.37	68.63	3174.3	160.26
Rice, W. B., Est., Fox Run Farm, Peterboro, N. H.								
Fox Run Camellia 266089	D	28	Apr	1121.1	4.44	49.78		
S. King of Fox Run 80801 A. R.	D. Pride's May King's Camilla 49739							
Richards, Dorothy, Tamworth Farm, North Blue Hill, Maine.								
Tamworth Duchess 343677	G	196	Apr	790.4	5.26	41.58	5611.5	262.17
Tamworth Kate 272748	E	121	Apr	1090.1	5.44	59.30	5043.1	262.70
Upland's Vivian 162236	A	198	Apr	832.4	5.88	48.95	6631.2	364.34
Riddle, John Wallace, Mrs., Hill Stead Farm, Farmington, Conn.								
Old Farms Blessing 329369	G	182	Apr	804.0	5.49	44.14	5609.0	300.14
Old Farms Faith 329354	E	182	Apr	890.2	6.23	55.46	6123.2	339.51
Ridgly, W. Silas, "Ridglydale," Casner, Ill.								
Green Meadow Fanciful 325958	F	253	Apr	846.3	4.48	37.91	7680.8	306.57
Maple Lane Africander's Anita 303113	G	86	Apr	1029.3	4.66	47.97	3036.5	134.01
Nell Lee of Ridglydale 315879	G	59	Mar-Apr	2460.0	3.84	94.58		
S. Kenfleur's Beda's Prince 132096	D. Daisy Dot of Shantituck 196838 A. R. 21745							
Pergue's Lassie Ann 132122	A	245	Apr	760.3	4.58	34.82	7675.3	322.81
Queen's Lady of Weowena Farm 250660	C	185	Apr	616.6	5.29	32.62	4917.0	247.70
Ridglydale's Own Daisy 291164	G	208	Apr	681.5	5.55	37.82	5315.1	257.17
Thornwood's Beauty 282079	F	162	Apr	716.6	4.98	35.69	4424.6	198.88
Thornwood's Rosy 287375	E	272	Apr	566.4	5.64	31.94	6689.0	331.54
Riford, L. S. & Staples, T. M., Greystone Farm, Auburn, N. Y.								
Dolly Raider of Maplewood 261863	E	335	Apr	557.2	5.41	30.14	8639.5	415.78
Greystone Betsy May 256804	E	365	Apr	259.9	5.89	15.31	9841.4	510.7
Greystone May Queen 271345	E	181	Apr	828.0	5.45	45.13	5582.6	292.45
Greystone Nancy 300631	G	33	Mar-Apr	1201.6	3.76	45.19		
S. Willmere's Foremost Last 146145	D. Venice Queen's Butter Cup 251671							
Greystone Polly 299878	G	167	Apr	673.4	5.40	36.36	4369.7	213.00
Greystone's Itchen Rose 162369	A	308	Apr	642.1	5.13	32.94	8465.0	391.29
Lizzie Hill of Maplewood 224340	B	333	Apr	962.4	4.86	46.77	12085.2	571.83
Venice Queen's Butter Cup 251671	C	75	Feb-Apr	2952.1	4.87	143.84		
S. Flossie's Itchen King 119367	D. Kyrta Venice Queen 122623							
Roemer, Robert, Fort Collins, Colo.								
Masher's Fair Maizie 278099	G	365	Apr	227.7	5.01	11.41	13926.4	577.3
Pergue's Lassie May 138024	A	152	Apr	1125.3	5.23	58.85	6326.3	298.02
Quinton Queen Bess 293822	G	201	Apr	862.3	5.29	45.62	6351.3	319.05
Roosevelt, Nicholas G., Gippy Plantation, Moncks Corner, S. C.								
Buttercup's Gippy Nell 280332	F	50	Mar-Apr	1757.1	4.53	79.60		
S. Coker May King 138762	D. Holliston's Oakhurst Buttercup 241927 A. R. 23689							
Foremost's Generous Bell 262045	A	215	Apr	945.3	4.83	45.66	7321.8	354.23
Gippy Christine 296434	G	44	Mar-Apr	1283.0	4.74	60.81		
S. Francesca's Foremost 156913	D. Ellengowan 171360							
*Ivy of Burkeville 186424	A	132	Apr	1254.0	5.35	67.09	5833.9	297.05
Josie's Gippy Radiance 296431	G	44	Mar-Apr	1360.0	3.84	52.23		
S. Coker Radiant 139463	D. Josie of Linwood 120223 A. R. 14242							
King's Lillian of Poheja Farms 237597	B	97	Jan-Apr	4430.6	4.64	205.42		
S. King's May Day 56260 A. R.	D. Rex's Lily of Maple Hill 98605							
Poheja's Jean 232100	B	107	Jan-Apr	4184.3	4.80	200.64		
S. Shadyside Ultra Surprise 86342 A. R.	D. Shadyside's Janette 198328 A. R. 21768							
Procris' Gippy Patience 296426	F	139	Apr	1284.4	4.77	61.27	5855.4	260.27
Root, S. N., Woodside Stock Farms, Landisville, Pa.								
Woodside Blossom Blue Belle 324165	F	355	Apr	590.0	5.82	34.34	8874.2	453.91
Woodside Butter Queen 3d 348027	G	168	Apr	888.1	5.37	47.69	5706.9	278.62
Woodside Daisy 4th 325306	F	365	Mar-Apr	863.7	5.88	50.75	8084.6	412.5
*Woodside Fanton 283257	B	365	Apr	339.3	5.94	20.15	11235.0	572.2

Woodside Janella 3d 304671	F	178	Apr	848.5	5.29	44.89	5579.2	298.75
Woodside Queenie 324162	F	365	Apr	305.5	6.01	18.36	8787.7	440.6
Sabine, Stephen W., Westfield Farm, Groton, Mass.								
Helderberg Beatrice 288013	B	235	Apr	803.0	6.31	50.67	7895.1	430.83
Starlight of Westfield Farm 195387	A	106	Apr	1217.2	4.48	54.53	4400.0	205.08
Westfield Dakota 306209	G	61	Mar-Apr	2030.5	4.73	96.14		
S. Roselyn's Warrior of Fox Run 56987 A. R.			D. Wolfpen Dakota 242573					
Westfield Minnehaha 304002	G	139	Apr	1103.3	4.11	45.35	5107.0	192.96
Westfield Spotlight 290964	F	115	Apr	1125.8	4.42	49.76	4496.6	181.32
Salley, George B., Rivelon Farm, Orangeburg, S. C.								
Rivelon Daisy 245434	C	59	Mar-Apr	1955.1	4.19	81.91		
S. Mimosa King Orange 103143	D. Rivelon Betty 245432							
Rivelon Foremost Helen 306275	G	63	Feb-Apr	1834.2	4.52	82.93		
S. Mimosa King Orange 103143	D. Cheppy's Foremost Lady 178830							
Scocozza, Daniel, Ashland, N. Y.								
*Ultra Lady of Hon Terra 249450	C	90	Apr	1332.7	5.34	71.17	4242.4	209.24
Scott, J. F., Bonneville Farm, Yakima, Wash.								
Bonneville Beth 297747	G	288	Apr	580.0	5.55	32.19	7648.8	390.57
†Bonneville Charm 298440	G	299	Apr	469.7	6.15	28.89	6394.3	340.88
†Bonneville Edacres 290402	G	305	Apr	257.5	5.77	14.86	7327.1	378.1
†Bonneville Hope 297748	G	300	Mar-Apr	794.2	5.42	43.07	6452.3	349.96
†Bonneville Roxie 224898	B	212	Apr	1110.0	4.76	52.84	9169.8	447.05
Scoville, Robert & Herbert, Grassland Farms, Taconic, Conn.								
Grassland Anaquel 257199	E	278	Apr	981.1	4.59	45.03	10190.7	470.90
*†Grassland Coline 208438	A	113	Apr	1137.0	4.15	47.19	5402.2	231.97
Grassland Evaquel 272069	F	243	Apr	956.9	4.23	40.48	8097.2	357.42
*Grassland Florise 123229	A	365	Feb-Mar	712.1	4.73	33.69	12014.9	539.2
*Grassland Geraldine 230768	C	264	Apr	769.4	4.92	37.85	9637.0	443.56
*Grassland Gloria 208437	A	67	Mar-Apr	4197.0	4.18	175.41	4564.2	195.13
*†Grassland Hortine 230770	C	288	Apr	663.8	4.98	33.06	10298.5	461.63
*†Grassland Idoria 208678	A	161	Apr	984.9	5.17	50.92	6934.0	336.91
†Grassland Jemaquel 284444	F	100	Apr	981.4	5.09	49.95	3314.2	165.67
*Grassland Jemmadine 230773	C	201	Apr	1501.4	4.86	72.97	10814.1	491.05
Grassland Lanaquel 289169	G	144	Apr	1086.4	4.20	45.63	5307.4	238.01
†Grassland Opaline 250878	D	83	Apr	1263.3	4.50	56.85	3765.2	163.61
*Grassland Quadrine 275198	D	119	Apr	1480.0	4.50	66.60	6513.5	278.07
†Grassland Undine 263674	D	62	Apr	1185.7	3.65	43.28	2756.3	109.34
†Grassland Valella 280219	F	141	Apr	1123.4	4.10	46.06	5436.5	228.58
*†Grassland Valid 241739	C	103	Apr	1149.0	3.85	44.24	5055.4	206.99
†Grassland Valois 280218	F	166	Apr	1262.2	4.30	54.27	7340.3	308.95
Grassland Youline 280221	F	178	Apr	1101.6	4.87	53.65	6905.2	325.76
*Grassland Zenoria 185315	A	196	Mar-Apr	4136.2	4.18	173.05	13991.1	586.28
Sears, Clara Endicott, The Pergolas Farm, Harvard, Mass.								
Nashua Fancy Lass 296743	G	227	Apr	479.0	5.50	26.35	4903.3	254.83
Nashua Moonlight 243426	E	365	Apr	504.9	7.04	35.54	7993.9	488.6
Nashua Sunburst 220865	C	365	Apr	255.8	6.15	15.73	10816.4	595.2
Nashua Surprise 233551	C	274	Apr	665.7	5.75	38.28	7622.1	407.02
Sedgefield, Inc., Sedgefield Farm, Greensboro, N. C.								
Morven's Singer 312649	G	213	Apr	487.7	5.87	28.63	4298.0	237.60
Sedgefield's Christine 338032	G	365	Apr	266.5	6.65	17.72	8723.0	497.1
Skaar, M. S. & C. A., Cor-Alfa Farm, Hayward, Minn.								
*Bonny of Cor-Alfa Farm 75434	A	117	Apr	793.8	5.00	39.69	3344.0	161.10
†Cherry of Cor-Alfa Farm 281951	F	165	Apr	766.3	5.74	43.99	4604.0	230.65
†Dawn of Cor-Alfa Farm 279838	E	145	Apr	688.9	5.05	34.79	3828.3	196.56
*Duplicate's Pride of Cor-Alfa Farm 199343	A	213	Apr	854.3	5.70	48.70	6902.1	384.61
*Evangeline of Cor-Alfa Farm 198306	A	195	Apr	939.3	5.10	47.90	6643.8	338.85
*Lady's Sweetheart of Cor-Alfa Farm 199342	A	226	Apr	837.8	6.16	51.61	7258.8	406.03
Smith, A. Macrae, Fircrest Farm, Lynden, Wash.								
Fircrest French Beauty 272293	D	150	Apr	1111.7	6.61	73.48	6220.6	385.04
Fircrest Golden Girl 133260	A	197	Mar-Apr	2954.0	5.57	164.66	10434.6	534.08
Fircrest La France's Hope 250298	D	160	Apr	1085.6	6.47	70.24	6218.8	380.31
Fircrest La France's Primrose 239389	C	196	Apr	950.5	6.50	61.78	7701.8	431.07
Fircrest Nasturtium 213708	A	150	Mar-Apr	3366.8	5.40	181.86	8956.1	446.50
Fircrest Royal Duchess 199802	A	208	Mar-Apr	2309.5	5.86	135.30	8521.4	455.78
Golden Glow of Maple Heights 86558	A	104	Jan-Apr	3229.2	5.20	167.93		
S. Hilda's Pride of Riverside 26336 A. R.			D. Golden Drop of Maple Heights 60773					
Sparks, M. Rene, Vancouver, Wash.								
†Mistland Jedetta 311523	G	169	Apr	682.0	5.16	35.19	4187.6	213.52
Sprague, Isaac Jr., Upwey Farm, Wellesley Hills, Mass.								
Planet's Cherry of Green Road 263347	E	209	Mar-Apr	1839.5	4.89	89.94	6505.5	287.68
Planet's Laurel of Green Road 261542	E	182	Mar-Apr	1221.0	6.09	74.41	3963.5	226.84
Planet's Rosebud of Upwey 345593	C	203	Mar-Apr	2027.4	4.94	100.20	7743.2	350.54
Stevens Brothers, Edgewood Farm, North Andover, Mass.								
Cy Allen's Charlotte 269638	F	195	Apr	767.8	5.12	39.31	6042.5	276.95
Dolly's Foremost's Esta 317782	D	81	Apr	1348.0	4.65	62.68	3657.9	172.05
Elsie May of Walnut Hill 151564	A	314	Apr	798.3	4.68	37.36	11135.7	494.56
Lady Nellie of Walnut Hill 219170	A	243	Apr	729.6	4.86	35.46	7860.4	362.07
Strickland, Linus E., Airline Guernsey Farm, Rockfall, Conn.								
Budget's Faith 279653	F	191	Apr	834.9	5.65	47.17	5931.5	334.56
Lanandy Ludora 221193	A	162	Apr	755.4	5.84	44.12	5174.8	326.23

Lanandy Zavalla 326436	D	114	Apr	836.6	5.57	46.60	3724.6	193.60
Marlboro Maid 244474	A	161	Apr	1115.9	5.48	61.15	6508.8	332.90
Onalea Faith 229591	A	64	Feb-Apr	2585.9	4.68	121.14		
S. Colbydale Royal Sun 133606	D. Colbydale Sunspot 197821							
Prince's Fairy May 297204	G	87	Apr	870.8	5.23	45.54	2452.0	129.60
Teddy's Janeco 300156	G	161	Apr	713.8	5.41	38.62	4292.9	236.33
Stroud, L. E., Sunshine Farm, Great Falls, S. C.								
Appin's Christine 287445	F	102	Apr	982.1	4.79	47.04	3642.2	200.66
Daisy of Sunshine 262664	F	365	Apr	27.8	6.67	1.85	10378.2	519.1
Miss Lizzie of Sunshine 249733	D	250	Apr	371.1	5.79	21.49	4760.2	235.71
Timmins, George H., Greenway Farm, Ware, Mass.								
Golden Lassie of Ware 262965	A	243	Apr	950.2	5.25	49.89	8249.9	402.86
Mermaid of Ware 341488	F	260	Apr	837.3	5.00	41.87	7532.6	334.80
*Royal Gipsy of Ware 244872	A	173	Apr	1227.5	5.40	66.29	8044.9	389.54
Royal Maid of Ware 266902	B	365	Apr	653.0	6.55	42.77	12353.3	638.4
Royal Rose of Ware 337794	G	335	Mar-Apr	1606.7	6.04	97.05	9804.0	528.64
Stardust of Ware 274030	B	355	Apr	1067.3	5.54	59.13	13775.2	662.46
Tree, Ronald, "Mirador," Greenwood, Va.								
†Betsy of Mirador 247911	D	242	Apr	233.1	4.22	9.84	3978.2	188.00
*†Blanche of Mirador 237645	C	218	Apr	577.2	5.49	31.69	5493.7	291.17
†Damsel of Mirador 274926	G	241	Apr	468.1	5.00	23.41	4658.9	224.25
Imp. Flower Girl of Fontaines 167729	A	357	Apr	740.1	5.77	42.70	9501.2	457.07
†Flower Girl of Mirador 314536	G	102	Apr	621.4	5.19	32.25	2281.7	112.36
†Gold Cup of Mirador 2d 291275	F	26	Apr	740.4	3.90	28.88		
S. Timbertop Topper 136402	D. Gold Cup of Mirador 237646 A. R. 26160							
Mary of Mirador 2d 280983	G	248	Apr	437.1	5.49	24.00	4184.2	214.99
*†Imp. Noel of Middle Blaye 241588	A	129	Apr	1191.1	3.82	45.50	5911.5	246.42
†Noel of Mirador 291276	G	63	Apr	1069.6	4.35	46.53	2208.1	103.68
†Patience of Mirador 274924	F	257	Apr	543.9	5.47	29.75	5438.3	287.00
†Rubella of Mirador 274923	F	226	Apr	547.9	5.62	30.79	4584.4	246.99
†Topsy's Girl of Mirador 280984	G	204	Apr	558.3	5.61	31.32	4272.6	241.65
Tucker, Gertrude L. C., Elgercon Farm, Willoughby, Ohio.								
Fanchette Rosebud of Elgercon 273077	E	54	Mar-Apr	2104.6	5.28	111.11		
S. Strongheart's Buddie of Elgercon 121808	D. Fanchette of Elgercon 124282 A. R. 15979							
Gerlee's Echo of Elgercon 285550	G	274	Apr	755.1	5.64	42.59	7147.1	381.17
Janet of Elgercon 287148	G	121	Apr	1004.1	5.37	53.92	4355.8	218.43
*Jeanette of Elgercon 214185	A	136	Apr	1240.0	4.99	61.88	6588.2	330.27
Marcheta of Elgercon 228699	C	243	Apr	1042.8	5.10	53.18	9395.1	433.18
Zelda of Elgercon 239403	D	365	Apr	52.3	5.24	2.74	12025.0	569.5
Tuttle, Howard B., Biscoe Farm, Middlebury, Conn.								
Claymore's Maregretta 310842	C	110	Apr	1208.5	5.63	68.04	4384.7	232.41
*Eimido 227577	A	226	Apr	1073.3	5.76	61.82	8918.7	517.31
*Lavita Lenfestey 228220	A	42	Mar-Apr	2022.2	5.30	107.18		
S. Lirma's Laudable 99695 A. R	D. Laneta Lenfestey 87907 A. R. 20373							
Leucadia Lenfestey 242979	A	266	Apr	739.7	5.84	43.20	7958.4	466.11
Mozinka 242972	A	289	Apr	871.6	5.36	46.72	9500.5	524.51
Tyler, C. H., Est., Steele's Hill Farm, Sanbornton, N. H.								
Steele's Hill Betty 271688	G	328	Apr	385.1	6.62	25.49	7000.0	360.88
Steele's Hill Cleonie 265957	F	235	Apr	615.4	5.38	33.11	6126.3	290.70
Steele's Hill Delia 272347	F	364	Apr	461.7	5.20	24.01	8064.4	382.41
Steele's Hill Hortense 265956	F	343	Apr	861.0	5.25	45.20	9694.3	481.98
*Steele's Hill Lois 241476	C	365	Apr	416.0	5.94	24.71	12654.3	627.5
Steele's Hill Miriam 196035	A	98	Apr	953.0	5.16	49.17	3435.6	172.62
Steele's Hill Nannette 272348	G	323	Apr	342.7	5.58	19.12	6777.6	321.83
Steele's Hill Priscilla 241459	A	365	Apr	460.3	6.91	31.81	10156.6	552.3
Steele's Hill Prudence Prim 271288	F	199	Oct-Apr	5854.0	4.44	259.76		
S. Coventry Lily's Honour 121775	D. Steele's Hill Cynthia 119392 A. R. 18167							
Steele's Hill Rose 280437	F	213	Apr	936.9	4.64	43.47	7372.2	316.53
Verdery, W. E. & Son, Verdery Farm, Orangeburg, S. C.								
Frances of Orangeburg 257189	A	213	Apr	700.0	4.66	32.62	6921.1	312.11
Frances of Verdery Farm 318618	G	243	Apr	955.6	4.92	47.02	8861.4	425.33
Honey of Verdery Farm 318616	D	52	Mar-Apr	1670.3	4.51	75.32		
S. Coker Muscadine 106110	D. Orange's Honey Suckle 245543							
Mimosa Marie 245544	A	268	Apr	883.5	4.98	44.00	9117.7	429.99
*Morven's Side Light 187651	A	343	Apr	694.9	5.20	36.13	12257.3	586.67
Morven's Sunshade 188715	A	365	Apr	509.6	4.93	25.12	11007.2	524.5
Nora's Rich Girl 97087	A	245	Apr	907.2	5.09	46.18	8638.6	383.80
Pauper's Queen Violet 280227	E	365	Mar-Apr	1031.1	7.43	76.57	10010.3	598.5
Petite Tulip of Lynchburg 148152	A	182	Apr	1109.8	5.19	57.60	8339.0	390.27
Ultra Lady's Lady of Lombardy 274859	C	365	Apr	760.9	5.05	38.43	11011.8	550.7
Virginia Polytechnic Institute, Blacksburg, Va.								
Dot of Dunottar 142803	A	182	Apr	761.7	4.84	36.87	5891.1	253.79
V. P. I. Squire Dot's Flora 273379	F	132	Apr	846.5	5.18	43.85	4078.0	198.94
Warburg, Felix M., Woodlands Farm, White Plains, N. Y.								
Woodlands Aloha 224542	B	117	Apr	791.7	4.08	32.30	3946.3	166.62
Woodlands Dolores 267021	F	274	Apr	597.3	4.70	28.07	7505.3	326.99
Woodlands Fairy 285993	G	260	Apr	364.4	5.46	19.90	4915.3	233.13
Woodlands Melody 185280	A	152	Apr	558.0	4.71	26.28	4142.4	193.19
Woodlands Peg 296292	G	193	Apr	539.3	4.37	23.57	5115.2	204.43
Ward Foundation Corporation, Ward Acres Farm, New Rochelle, N. Y.								
*Abba Milkweed 231892	B	105	Apr	1567.6	4.43	69.44	5519.2	241.57
Ward Acres Milkweed 284680	G	338	Apr	959.0	5.48	52.55	11434.9	578.76

West, William R., High Hill Farm, New Bedford, Mass.								
*Daisy of High Hill 167489	A	121	Apr	1276.3	5.13	65.47	5279.0	268.39
*Harvester's Grace of High Hill 322517	E	127	Apr	1265.7	4.75	60.12	5754.9	271.33
Westover, Fred A., Maplewood Farm, Auburn, N. Y.								
Maplewood Sylvia 304398	G	226	Apr	948.6	5.31	50.37	8077.0	410.26
White, Augusta H., "Hill Top," Princeton, N. J.								
*Imp. Dairymaid of Pulias 175134	A	297	Apr	1044.6	4.82	50.35	12020.9	567.74
Hallmark Neptune's Honoria 290854	F	121	Apr	932.1	4.60	42.88	4062.9	185.50
White, William T., "Hill Top," Princeton, N. J.								
Hallmark Annetta 286215	F	142	Apr	999.8	3.44	34.39	5044.3	205.64
Hallmark Lavender 292968	G	30	Apr	1015.5	4.85	49.25		
S. Imp. Sailor Lad VIII. of the Fontaines 126460			D. Imp. Groignet Bruser II. 143204 A. R. 16558					
Whittier, Katharine B., Lonicera Farms, Douglassville, Pa.								
Kemah Primrose 271900	E	243	Apr	741.0	5.83	43.20	6903.8	374.84
Kemah Snowball 252565	C	228	Apr	909.1	4.78	43.45	8199.5	390.91
Willyard Brothers, Ravenna, Ohio.								
Betty of Hillbrook 275935	G	347	Apr	723.4	5.84	42.25	9802.8	524.81
Clara of Cedar Lane 3d 277166	F	258	Apr	785.7	5.46	42.90	7414.2	365.47
Winter, Albert, Mahwin Farm, Mahwah, N. J.								
Patricia Electa 290553	G	211	Apr	893.7	5.39	48.17	7255.7	361.29
Wood, Clement B., Camp Discharge Farm, Conshohocken, Pa.								
†Camp Discharge Clara 345059	G	213	Apr	661.2	5.07	33.52	5116.5	244.71
†Camp Discharge Fancy 324391	E	192	Apr	533.9	5.06	27.02	4554.9	215.42
†Camp Discharge Flower 342502	F	222	Apr	628.1	5.29	33.23	5191.6	243.75
†Camp Discharge Lil 342067	G	251	Apr	622.8	5.60	34.88	5262.3	270.35
†Camp Discharge Maizie 319132	D	152	Apr	755.9	5.67	42.86	4370.8	222.63
†Camp Discharge May Clover 334305	F	305	Feb	11.2	5.24	.59	8697.7	463.6
†Camp Discharge Rose 346288	F	192	Apr	622.8	5.74	35.75	4505.3	228.53
†Camp Discharge Tam 304970	D	254	Apr	418.8	6.39	26.76	5337.3	285.41
†Commander's Duchesse 320582	E	169	Apr	862.1	4.13	35.60	5884.1	222.36
†Commander's Gouvernante 316671	E	187	Apr	722.2	4.93	35.60	5249.7	218.05
†Commander's Lady Jane 358413	G	66	Feb-Apr	1863.3	4.68	87.21		
S. Pencoyd Commander 124072			D. Leader's Lady 292962					
†Commander's May Bud 349341	E	159	Apr	593.9	5.15	30.59	4202.4	203.45
†Commander's Twin Gouvernante 316672	D	64	Apr	1037.8	4.55	47.22	2277.2	101.63
†Imp. Daisy of the Trigale 207140	A	255	Apr	554.0	5.44	30.14	7226.6	340.62
†Ladysmith's Claire 292965	D	208	Apr	664.6	5.11	33.96	5575.7	253.43
†Leader's Iris 294139	C	90	Apr	965.8	5.12	49.45	3239.9	157.41
†Leader's Verbena 292963	B	101	Apr	975.6	4.41	43.02	3399.0	138.95
†Imp. Lily of King's Mills Lodge 207122	A	249	Apr	797.9	5.05	40.29	8151.6	360.93
†Imp. May Bloom of Tamworth 207137	A	91	Apr	1022.9	4.44	45.42	3219.2	138.95
†Imp. May II. of Landes du Marche 207115	A	230	Mar	290.8	4.49	13.06	5146.1	206.1
†Imp. Pearl of Landes du Marche 207114	A	161	Apr	803.9	4.53	36.42	5413.0	232.87
Imp. Ruby's Darling of Sarnia 207110	A	246	Apr	498.8	4.86	24.24	6188.3	294.08
†Imp. Tamworth's Beauty Blossom 246604	A	138	Apr	916.1	4.74	43.42	4553.5	200.60
Imp. Vena II. of La Godaine 207120	A	260	Apr	647.3	4.71	30.49	8435.8	380.37
†Imp. Violet of North View 207113	A	158	Apr	1120.7	4.47	50.10	6951.5	316.40
Wood, G. H., Woodland Farms, Monroe, Mich.								
*Harlequin's Jean of Woodland 208601	B	338	Apr	1115.2	5.47	61.00	15665.9	755.99
Mitzi of Woodland 291812	G	182	Apr	747.9	5.01	37.47	4813.5	221.56
Sequel's Selma of Woodland 270590	G	357	Apr	745.6	5.07	37.80	10398.1	502.35
Woodland's Lady Peggy 277693	F	117	Apr	971.5	4.83	46.92	3982.8	181.44
Woodward, E. G., Lea Farm, Salisbury, Conn.								
†Anita of Beausite 229139	B	106	Mar-Apr	1983.7	5.14	102.03	3872.5	198.56
†Blanche of Tersana Farm 214220	A	81	Feb-Apr	3240.7	4.54	147.09		
S. Falcon's Overseer 100498			D. Barbara of Tersana Farm 148358					
Imp. Gipsy II. of Bourg de Bas 182662	A	178	Mar-Apr	1151.9	5.23	60.27	5747.9	294.48
†Imp. Janet of Tersanz Farm 251993	C	296	Mar-Apr	1251.4	5.76	72.05	8864.0	481.96
†Varclin Kitty II. 230996	A	252	Mar-Apr	892.5	5.47	48.82	5552.2	292.16
Woodward, E. G., "QuanQual," Salisbury, Conn.								
†Elm Tree Pauline 165248	A	193	Apr	522.5	6.33	33.07	4961.7	279.10
Falcon's Amiable 293667	G	211	Apr	639.2	5.05	32.28	5045.4	260.26
†Falcon's Bertha 296785	G	151	Apr	707.1	5.21	36.84	3859.2	187.00
†Falcon's Bianca 301305	G	104	Apr	642.6	4.61	29.62	2496.5	119.13
†Falcon's Pansy 175312	A	220	Apr	426.0	5.30	22.58	4938.0	250.16
†Falcon's Wisteria 253865	D	241	Apr	310.8	5.71	17.75	3460.5	189.28
†Fay Pride of Norcrest 311906	G	208	Apr	738.7	5.00	36.94	5660.4	280.74
†Grassland Patience 208442	A	210	Apr	694.2	4.99	34.64	5574.9	290.07
Grassland Primrose 169694	A	201	Apr	649.1	4.39	28.50	5813.6	268.86
†Grassland Valewe 230767	C	274	Apr	331.8	5.62	18.65	5364.5	237.24
†Imp. Rosebud of St. Briocq II. 228685	A	305	Feb-Mar	639.5	5.40	34.53	6860.4	334.2
†Rubslogan of Jewell Hill Farm 291022	G	143	Apr	923.5	5.36	49.50	4782.8	231.17
Woolworth, Richard W., Northshire Farm, Salem Center, N. Y.								
†Coventry Donna Fanny 275453	F	174	Mar-Apr	1723.3	4.57	78.72	5260.4	234.21
†Coventry Donna Flora 295399	G	90	Mar-Apr	2060.1	4.53	93.33	3118.3	138.41
*Primrose of Northshire 232868	B	119	Mar-Apr	2959.1	3.94	116.65	5985.9	236.01
Royal's Countess of Northshire 210799	B	365	Mar	105.6	5.78	6.10	13331.4	614.2
Surprise of Northshire 247809	C	71	Feb-Apr	3827.4	4.06	155.25		
S. Imp. Honoria's Sequel Slogan 126459 A. R.			D. Imp. Surprise VII. of St. Leddards 201457 A. R. 22554					

Yarnall, Charlton, Crum Creek Farms, Newtown Square, Pa.								
†Becky of Orchard Lane 255090	B	147	Apr	821.7	4.65	38.21	5018.0	235.23
†Drummer Boy's Heiress 245960	B	172	Apr	881.4	4.80	42.31	5740.8	273.53
Fern Crest Vanity Fair 206264	A	145	Apr	1112.5	5.66	62.97	6019.2	318.70
†Florence of Fern Crest 208051	A	255	Apr	687.6	5.92	40.71	6796.8	360.77
†Homestead Lady Grace 199876	A	294	Apr	147.2	5.50	8.10	5531.4	254.1
Ultra's Minnie of Maple Lawn 241660	C	80	Apr	1410.3	4.26	60.08	3756.6	149.24
†Waddington Columbine 210752	A	189	Apr	631.8	5.89	37.21	5009.1	265.36
†Waddington Mary 208050	A	117	Apr	955.4	5.65	53.98	4101.7	240.23
Yoder, J. S., Cedar Lane Farm, Wooster, Ohio.								
†Knight's Clarice 305348	G	105	Apr	793.8	5.50	44.06	2821.0	156.37
Zell, Arthur Stanley, Thornton Farm, Riderwood, Md.								
Thornton's Letitia 307314	G	43	Mar-Apr	1522.1	4.40	66.94		
S. Thornton's Sheik 102512 A. R.	D. Raymond's Lucy of Oaks Farm 74827							
Thornton's Mandalay 280302	F	284	Apr	687.9	5.95	40.93	8124.3	410.33
Thornton's Rosewood 282213	G	274	Apr	933.2	4.88	45.54	9140.4	421.66
Thornton's Valiant Queen 289349	F	65	Feb-Apr	2822.7	3.82	107.92		
S. May Rose Daisy's Cherub 117728	D. Thornton's Flo Flo 225204 A. R. 25724							
Meritorious Grade Guernseys								
Kane, John Kent, Shirley Farm, Glenloch, Pa.								
Louise	G	121	Apr	936.2	4.76	44.56	4731.8	215.66
Whittier, Katharine B., Lonicera Farms, Douglassville, Pa.								
Lizzie 2-1	G	269	Apr	497.4	6.30	31.34	5996.6	326.49
Lizzie 3d	G	269	Apr	816.5	5.17	42.21	7950.7	398.26

Conversion Factors

(*Continued from page 19*)

pounds. He, therefore, has an index of 10307 pounds of milk and 566 pounds of butter fat. A bull with an index satisfies our definition of a proved bull because his index, together with the production records of the cows to which he is mated, is ***enough*** to enable us to predict with reasonable accuracy what the daughters of such matings will produce. When we have records on the cows and an index on the bull we no longer need to stumble around in the dark and eventually fall into the morass of blasted hopes. With records and indexes we can know before hand with considerable accuracy just where our breeding operations will land us.

Summary

IN this article we have tried to show:

1. That some method of making dams' and daughters' records comparable as to age and class is absolutely necessary.

2. That the dairy cattle breed associations have tacitly, if not openly, sponsored the use of age conversion factors in their own Advanced Register and Register of Merit work.

3. That, speaking generally, neither the dams nor their daughters will derive any unfair advantage, the one over the other, through the use of age conversion factors.

4. That a basis is now available, (in the averages for the breeds for the various classes and ages), for an ***accurate*** set of age and class conversion factors for each breed.

5. That records made in any class and at any age can be stepped up to a mature basis or down to a two year old basis or to any other basis that one might desire to use as the standard.

6. That these age conversion factors make possible the stating of a bull's potential milk and butter fat, or butter fat percentage, levels in terms of pounds of milk and butter fat, or butter fat percentage, which, the writer believes, is more intelligible to the average breeder than if stated in any other terms.

Those of us who are trying to breed better cattle need, more than anything else, facts about the production of cows and their daughters. The most significant and far reaching thing the breeds could do at present would be to publish the average milk and butter fat production of a bull's daughters and the average production of the dams of these daughters scaled to some common basis by the use of age and class conversion factors. With these facts before us in convenient form, knowing also what percentage of all the bull's daughters the figures were derived from, any breeder is in a position to properly evaluate the breeding worth of the animal concerned from a production standpoint. There still remains the consideration of type which should, in the writer's opinion, never be overlooked.

South Carolina 4-H Club Boys at National Club Camp

ALLEN Settle, Inman, South Carolina, and Robert Lemmon, Winnsboro, South Carolina, represented the 6,000 4-H Club boys at the sixth national boys' and girls' club camp at Washington, D. C., from June 15 to 21. Both of the boys have had wide experience in club work.

Clark Cow High

A GRADE Guernsey, owned by Claude R. Clark of Fremont, Nebraska, won first honor in the Saunders-Dodge County Dairy Herd Improvement Association for having the highest butter fat record for the year—579.9 pounds.

One hundred and four cows in the association produced over 300 pounds of butter fat each, twenty-six cows produced 400 pounds, while five made records of above 500 pounds of butter fat.

The association has had one of the most successful years in its history. It won the better sires contest which was conducted by the state agricultural college.

Albert Lea Boys Win First

RALPH Ruble and Ashle Shaar, students of the high school at Albert Lea, Minnesota, won first prizes in the state livestock judging contest for vocational agricultural students held at the University Farm at St. Paul early in May. Ralph won a first medal having the highest total score of any of the 600 or more boys in the contest in judgboth dairy and general livestock. Ashle won a first medal for judging Guernsey cattle. The medals were contributed by the Agricultural Instructors' Association.

One of the Novelty Features

GUERNSEY cows to supply fresh milk was one of the novelty features at the Westchester County Fair, White Plains, New York, on June 16, 17 and 18.

Whitsuntide Show

(*Continued from page 20*)

HEIFER, 12 AND UNDER 16 MONTHS

1, Sheba Rose IV. of Courtil Jardin, P. Le Noury; 2, Joyce VI. of Rues Fraires, John P. Sarre; 3, Beau-Coin Belle, W. H. Baker; 4, Athene's Fancy II. of Country Hospital, Country Hospital; 5, Primrose's May Bell of l'Eclet, G. E. Williams; reserve, Stephen's Daisy, N. H. Stephens.

HEIFER, 9 AND UNDER 12 MONTHS

1, Rexena II. of Les Videclins, Mrs. T. M. Le Pelley; 2, Rosa III. of Talbot Valley, A. Le Noury; 3, Valentine's Duchess of Passee Villa II., Henry T. Nant; 4, Nenette III. of the Vauxbelet, A. L. Christantian; 5, Molly's Beauty of Passee Villa, Henry T. Nant; reserve, Lurette IV. of the Vauxbelet, A. L. Christantian.

HEIFER, 6 AND UNDER 9 MONTHS

1, Dimple's Opal of Baubigny, J. Blampied; 2, La Somme II. of Grands Courtils, S. G. Hubert; 3, Belle Cheminant III. of Country Hospital, Country Hospital; 4, Topsy III. du Villocq, James Martel; 5, Manoir's Kate II., P. Roberts; reserve, Pearl of King's Mills, J. N. Dorey.

SENIOR CHAMPION BULL

Le Hechet's Renown III., C. A. Blondel; reserve, Honoria's Souvenir, Alfred D. Le Patourel.

JUNIOR CHAMPION BULL

Hougue Maid's Slogan, J. Nicolle; reserve, Challenger II. of the Hechet, C. A. Blondel.

CHAMPION FEMALE

La Blanchette du Villocq IV., James Martel; reserve, Beauty's Pride of Le Manoir, A. R. Tostevin.

CHAMPION HEIFER

Betty of St. Andrew's, Frank D. Martel; reserve, Pollyanna III. de Vimiera, A. Berthou.

SPECIAL PRIZES

Challenge Bowl, best cow and two of her progeny: Le Hechet's Buttercup II., C. A. Blondel; reserve, Bellina of the Vauxbelets, A. L. Christantian.

Count Lothier Blucher Challenge Cup, best bull whose dam or maternal grandam has a record of at least seventy-five per cent over her requirements: Valerie's Honour II., W. B. Langlois; reserve, Majestic of King's Mills, J. N. Dorey.

Lord Blythswood Challenge Trophy, A. R. cow, fifty per cent above requirements: La Blanchette du Villocq IV., James Martel; reserve, Ringdale of La Mare, A. Le Noury.

John Carre Challenge Trophy, best cow or heifer in milk, under 6 years: Ester of the Simons, J. B. Tostevin; reserve, Red Rose of Myrtle Place II., Ernest de Garis.

N. B. Barbenson Challenge Cup, best cow in the show: La Blanchette du Villocq IV., James Martel; reserve, Beauty's Pride of the Manoir, A. R. Tostevin.

W. S. Kerr Challenge Cup, best cow 2 and under 3½ years: Woodbine Lady White, M. Le Cheminant; reserve, Betty of St. Andrew's, Frank D. Martel.

American Pilgrimage Perpetual Tophy, bull, 15 months and over, showing greatest amount of rich golden yellow quality: Le Hechet's Renown III., C. A. Blondel; reserve, Valerie's Honour II., W. B. Langlois.

Qualified, whose dam or maternal grandam made record at least seventy-five per cent over requirements in A. R.: 1, Valerie's Honour II., W. B. Langlois; 2, Majestic of King's Mills, J. N. Dorey; 3, La Fleur du Jardin's Leader, Ernest de Garis; 4, Major of Le Casrouge, George E. de Garis; reserve, Sunrise of Maple Lodge, E. P. Mahy.

American Pilgrimage Perpetual Trophy, qualified, 15 months and over, showing greatest amount of rich golden yellow quality: 1, Le Hechet's Renown III., C. A. Blondel; 2, Valerie's Honour II., W. B. Langlois; 3, Lenore's Souvenir de Vimiera, A. Berthou; 4, Majestic of King's Mills, J. N. Dorey; reserve, Major's Quality, G. E. Williams.

Poltimore Herd Dispersal

(*Continued from page 11*)

old cow, Joan's Sylph of Sous Les Hougues, that was bred by H. O. Webb in Guernsey. At two and one-half years of age "Sylph" made 10788.5 pounds of milk and 608.47 pounds of butter fat. She was sired by Gem's Successor 5205 P. S., that was by Blanchette Butterfat 4878 P. S., A. R., and out of Gem's Beauty 14529 P. S. that has a record made at eight years and 248 days of age of 10451.5 pounds of milk and 578.32 pounds of butter fat testing 5.53 per cent. The dam of "Sylph" was Joan of the Valley 17092 P. S. that was by Sylph's Majestic 3042 P. S., the sire of five Advanced Register daughters including Daisy 3rd of La Moinerie, that gave 14153.2 pounds of milk and 694.7 pounds of butter fat, and Duvallerie of Les Houards, that gave 13673.5 pounds of milk and 712.59 pounds of butter fat. Joan of the Valley 17092 P. S. was out of Lady Charlotte of Grande Dixcart 10016 P. S. that has a record of 8014.25 pounds of milk and 472.57 pounds of butter fat made at ten years, 311 days of age.

J. Craig-Harvey also paid the third highest price, that of eighty guineas ($307.20), for Poltimore's Fancy's Sylph, that was by Poltimore Royal Fancy 6236, champion bull at the R. A. S. E. Show in 1929, and out of Joan's Sylph of Sous Les Hougues 28962, that produced, at two and one-half years of age, a record of 10788.6 pounds of milk and 608.47 pounds of butter fat, testing 5.64 per cent.

Top price for bulls were sixty guineas ($230.40) paid by Captain E. C. Long for Poltimore Fancy's Gay Lad 8875, that was by Candie's Gay Lad 8356 and out of Poltimore Fancy 21319 that has records of 8315.25 pounds of milk and 496.46 pounds of butter fat, made in 322 days at four years of age, and 10066.75 pounds of milk and 577.83 pounds of butter fat made in 308 days.

The average worked out at fifty-seven pounds ($208.62) for the thirty-three head sold. The lead-

Our New Class Leaders

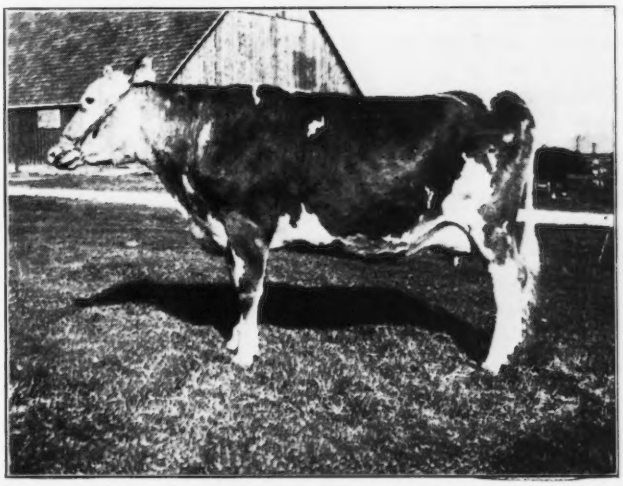
(*Continued from page 21*)

maternal grandsire, Captain Sam 34643, has two Advanced Register daughters, and her maternal grandam, Arba Bishop of the Home Stead 118465, has one Advanced Register daughter.

"Princess" was fed and handled in exactly the same way as "Linneta" and she weighs about 1,175 pounds.

Sire: Chicona Belmont 104979, A. R.
Dam: Sam's Princess Zita of Shannondale 206407, A. R. 27631.
Breeder: D. W. Barclay, Burlington, Wash.
Owner: D. W. Barclay, Burlington, Wash.
Born May 22, 1929. Calved May 1, 1931. Served Oct. 10, 1931.
Requirement for admission 290.5 lbs. fat.
Supervised by Washington Station.
3 milkings daily.
Retests taken in June, July, August, and December, 1931.
Check test taken in September, 1931.

1931	Milk Lbs.	Butter Fat %	Butter Fat Lbs.
May 6,	1254.5	4.36	54.70
June	1690.9	4.37	73.89
July	1774.2	4.48	79.48
Aug.	1664.4	4.37	72.73
Sept.	1454.4	4.48	65.16
Oct.	1447.3	4.40	63.68
Nov.	1371.1	4.77	65.40
Dec.	1439.6	4.84	69.68
Jan. '32	1307.0	4.76	62.21
Feb.	1243.4	5.06	62.92
Mar.	1399.0	4.76	66.59
Apr.	1353.2	4.79	64.82
May 4,	167.9	4.79	8.04
Total	17566.9	4.61	809.3



Chuckanut Princess 290225

ing prices and purchasers were as follows:

	Guineas	Dollars
Mr. Berridge		
Poltimore Fancy's Lydia	40	$153.60
Cowdray Estate		
Poltimore Fancy's Stella	44	168.96
J. Craig-Harvey		
Violet 3rd of Sous La Lande	60	230.40
Joan's Sylph of Sous Les Houges	100	384.00
Poltimore Fancy's Sylph	80	307.20
Brig.-Gen. Sir B. de Lisle		
Poltimore Fancy	48	184.32
G. F. de Shapland		
Bella of Les Meriennes	60	230.40
Poltimore Cyrene	46	176.64
Poltimore Bella	55	211.20
Major Litterdale		
Poltimore Fancy's Viceroy (Bull)	46	176.64
Captain E. C. Long		
Violet 5th of Sous La Lande	160	614.40
Poltimore Gay Lad	60	230.40
Poltimore Fancy's Gay Lad (Bull)	60	230.40
A. T. Loyd		
Poltimore Anemone	70	268.80
Poltimore Fancy's Queen	55	211.20
Mrs. Martin		
Krysta 5th of Les Jetteries	48	184.32
Mrs. Noel		
Poltimore Fancy's Violet	54	207.36
Poltimore Fancy's Sylvia	67	257.28
Poltimore Fancy's Juno	72	276.48

Oklahoma Field Day

(*Continued from page 15*)

ords start as a two year old with 14069.9 pounds of milk and 672.9 pounds of butter fat, and run up to her recent five year old record of 17892.4 pounds of milk and 913.9 pounds of butter fat. The "JC" offspring so far in the herd number five heifers and two bulls. These, of course, were little calves, but they look very attractive. The similarity in blood lines, plus careful judgment in the matings as well as in selection, has produced for Mr. Woods a herd of his own breeding which combines both uniformity of type and attractiveness, together with profitable production. When one studies this herd and combines with it a survey of the improvement that he has made in this rented farm during the years that he has operated it, together with the sales ability of the man, one can understand why he has been honored as one of Oklahoma's Master Farmers, and why, also, if we are correctly informed, he is the only genuinely "dirt farmer" member of the Agrivultural Advisory Committee of the United States Chamber of Commerce.

Winners in the Judging Contests

THE judging contest was in charge of Professor Moffett, Extension Dairyman of the Oklahoma A. and M. College, Stillwater. Professor Moffett, Professor Earl Weaver, chief of the dairy department, and The American Guernsey Cattle Club fieldman constituted a committee of three that made the official placings. Forty boys and girls participated in the junior contest and thirty-seven adults participated in the senior contest. A class each of cows, two year olds in milk, yearlings, calves and bulls were judged. The American Guernsey Cattle Club watch charms for the three high boys in the junior contest were awarded as follows: First, Leo Plew, Altus; second, Stanley Crosby, Ardmore, and third, Hubert Newman, Tishomingo. The high teams were as follows: First, Jackson County, W. B. Forrester, county agent, Altus; second, Carter County, O. L. Putnam, county agent, Ardmore, and third, Bryan County, W. E. West, county agent, Durant.

In the senior contest John Rose, Berwyn, and Albert Riesen, Ardmore, tied for first with a score of 285. By the toss of a coin the silver Guernsey Island cream can offered by Primrose Farm was awarded to John Rose. The next four were tied with a score of 270 as follows: Paul Clarkson, Ardmore; Levi O. King, Ardmore; T. H. Hayton, Oklahoma City, and John King, Ardmore, while following these came W. B. Forrester of Altus. These men were all given a year's subscription to the Guernsey Breeders' Journal.

At noon a splendid lunch was served under the direction of Mrs. Woods which included Golden Guernsey Milk under the National Label, produced at Primrose Farm, Tom Cooper's farm and the Gaylord Guernsey Farm, and the best ice cream you ever ate, Golden Guernsey from the new Golden Guernsey Ice-cream Plant of Tom Cooper's at Ardmore. Mr. Cooper has already secured distribution for this splendid product through more than fifty retail outlets between Oklahoma City and the Texas line.

The Afternoon Program

THE afternoon program of speaking was designed to be short and snappy enough to be interesting. Tom Cooper presided. Mort Woods, in addition to welcoming the guests, introduced a number of them. This included the county agents, the Texas visitors, Dr. C. E. Hisel, state veterinarian, Perry Maxwell and others. Professor Weaver presented an outline of the dairy industry and both the problems and obligations of the Oklahoma Guernsey breeders, which was both interesting and effective. R. L. Holden, field representative of The American Guernsey Cattle Club, presented an outline history of the Guernsey breed. George Gibbons, secretary of the Ardmore Chamber of Commerce, not only told of some of southern Oklahoma's advantages but also indicated the great enthusiasm of the people of Ardmore for Guernseys and why. After more or less of a typical trading dispute between Alvin Guerkink, herdsman at Tom Cooper's Farm, and the owner of a scrub bull that had been brought in, Al swapped a good registered Guernsey bull for the scrub, "even up, no boot."

The field day ended with continued meeting and discussion between friends, which throughout the day is the most valuable part of any field day. A considerable number of the visiting breeders accepted the invitation of Tom Cooper and paid a visit to his splendid herd about three miles away. This herd consists of upwards of 125 head of registered Guernseys, at the head of which stands Langwater Africander 57121 that Mr. Cooper purchased as a ten year old bull at the Ward Acres Dispersal and from which he already has over thirty splendid daughters.

Adams County Breeders Meet

THE Adams County, Indiana, Guernsey Breeders' Association held its third meeting on June 6 in the County Agent's office, Decatur. Seventeen members belong to this newly organized association, ten of whom were present at this meeting.

Interesting discussions were held on the breeding of dairy cattle and plans were made to hold a Guernsey Tour. It was decided to hold this in connection with the calf club and Herd Improvement Association tour which will be held some time in August.

L. E. Archbold, county agent, gave a talk on "Putting the milk pitcher back on the table," and plans were made to start a campaign to consume the surplus milk. Peter B. Lehman, president of the association, stated that it has been proved many times that parents have no trouble in making children drink milk that has been properly cared for. Reinhold Koldewey, secretary of the association, gave a short account of his trip to the 4-H Club Round-up held at La Fayette.

REINHOLD KOLDEWEY, Secretary.

News Briefs . . .

Ex-Senator George P. McLean Passes

GEORGE P. MCLEAN, owner of Holly Farm Guernseys, Simsbury, Connecticut, died on June 6 from a heart attack. He was an outstanding figure in state and national life and after thirty-five years of a public career he retired in March, 1929, to his home in Simsbury where on his farm he established a good herd of Guernseys. Several class leaders have been bred and developed on the farm.

The herd will be continued in charge of Harry A. Costello, manager.

Clean Herds in Manitowoc County

THE Guernsey herds owned by Otis Marken and Anton Berge, Liberty, Wisconsin, have both recently passed a third negative blood test and declared eligible for the state accredited certificate. This brings the list of clean herds in Manitowoc County up to six. There are only about 148 herds in the State of Wisconsin that are included on this accredited list.

Bright at Roddey Guernsey Farm

C. D. BRIGHT, formerly at the Coker Pedigreed Seed Company Farm, Hartsville, South Carolina, has accepted a position at Roddey Guernsey Farm, Columbia, South Carolina, as herdsman and managing supervisor of the dairy and herd. Mr. Bright takes the position formerly held by T. J. Murphy.

The Spur a Monthly

RUSSELL L. WILLARD of The Spur writes that the magazine will be a monthly instead of a semi-monthly from now on.

John R. Clancy

JOHN R. CLANCY, Syracuse, New York, died at his home in the Onondaga Hotel on April 20. Mr. Clancy was a member of The American Guernsey Cattle Club having joined on March 18, 1918. He was a lover of nature and owned a farm near Skaneateles where he lived for several months of the year looking after his Guernseys in which he took much pride. Mr. Clancy was vice-president of the New York State Guernsey Breeders' Association.

Ayrshire Breeders Elect Woman President

MRS. E. R. FRITSCHE, owner of Sycamore Farm, Douglassville, Pennsylvania, was elected as president of the Ayrshire Breeders' Association at their fifty-seventh annual meeting held on June 8 at Ithaca, New York. For the past seven years Mrs. Fritsche has been a member of the executive committee and has been very prominently identified with the association activities.

Rich at Wake Forest

S. O. RICH, formerly of Mocksville, North Carolina, is now located with John Sprunt Hill, father of George Watts Hill, at Wake Forest, North Carolina.

Frank T. Price

IT is with genuine sorrow that we announce the death, on June 13, of Frank T. Price, business manager of the Holstein-Friesian World. Frank was not only loved by his own breed but by the leaders of many other breeds and dairymen generally. For fourteen years he was manager of the "World" and during that time created a host of friends who will mourn his death.

During the past six years the association of Frank Price as managing editor of the "World" has been of the very finest nature. No journalist has been more interested in the welfare of the Journal as a magazine than Mr. Price and the many conferences and letters have helped in the improvement of the Journal more than can be told. It is through the untiring efforts of Frank that we were able to combine the four dairy breed publications in a united front with the Earl J. Cooper Company to represent us before commercial advertisers.

Mr. Price was born on August 17, 1885, at Liverpool, New York, and leaves a wife, a son and two daughters.

Enthusiastic Dairywoman

MISS MOLLY LEWIS of Danvers, Massachusetts, is an enthusiastic breeder of Guernsey cattle. Miss Lewis is well-known among the Guernsey fraternity for her work with Gayhead Guernseys at Coxsackie, New York, but she is now building up a herd of her own and recently purchased stock from the Guernsey herd at Meredith Farm, Topsfield.

Sunshyne Guernsey Dairy

A NEW dairy firm known as the Sunshyne Guernsey Dairy was established at Kenosha, Wisconsin, recently. Carl M. Reed, for many years connected with the Guernsey Cooperative Milk Company, is president of the new organization, Arnold R. Rowe is vice president and Martin Jensen is secretary-treasurer.

Beech Hill Farm Fire

THREE large barns valued at $150,000 were destroyed recently on Beech Hill Farm, Princeport, Nova Scotia, former estate of the late F. W. Swindells, Boston business man and Nova Scotia farmer.

Curious Custom on Guernsey

A CURIOUS old marriage custom still exists on the Island of Guernsey. Upon a young man's offering himself to a young woman, the parents of both give a "flouncing." That is, a great feast is provided by both families, at which the girl is led about by her future father-in-law and the suitor by his intended's father, and both the young people are introduced to all the relative and friends of the opposite families. Rings are then exchanged by the principals, and the couple are thereupon held to be betrothed. The ceremony is considered almost as binding as marriage itself.—Gas Logic. Wall Street Journal.

Oak Vale Farm Accredited

HANKS BROTHERS, owners of Oak Vale Farm, Winnebago, Minnesota, have recently had their herd blood tested and received their second accredited herd certificate. There are fifty-two pure bred Guernseys in the herd and this is the second privately owned herd in the state to become accredited.

Ayrshire Digest Combines Issues

THE Ayrshire Digest will combine the issues of July and August into a single number that will be mailed on August 1. Beginning with September they will return to their regular monthly basis.

Alfalfa Farm Awarded Certificate

THE herd owned by W. C. Sills, Topsfield, Massachusetts, who is a new breeder among Guernsey ranks having made many purchases at the spring sales, has recently been granted Certificate Number Eleven by the Commonwealth of Massachusetts for an accredited herd free from Bang's Abortion disease.

THE 100% CLUB

All members of the Guernsey Breeders' Associations listed here subscribe to the JOURNAL.

If you are in the market for Guernseys, write the secretary of any of the clubs, or several of them, and they may be able to help you locate your wants.

California

Central California Guernsey Breeders' Association, C. E. Fisher, Sec., Hughson.

Idaho

Bonner County Guernsey Breeders' Association, F. L. Cochrane, Sec., Kootenai.

Inland Empire Guernsey Cattle Club, Mrs. Emil S. Boller, Sec., Potlatch.

Indiana

Elkhart County Guernsey Breeders' Association, S. O. Bigler, Sec., R. D. 6, Elkhart.

Marshall County Guernsey Breeders' Association, W. R. Matthews, Sec., Box 254, Plymouth.

Randolph County Guernsey Breeders' Club, P. O. Shierling, Sec., Saratoga.

Iowa

Iowa Guernsey Breeders' Association, Philip Mahr, Sec., Indianola.

Michigan

Genesee County Guernsey Breeders' Association, A. D. Alldredge, Sec., Flint.

Missouri

Marion County Guernsey Breeders' Cattle Club, William Frankenbach, Sec., Hannibal, R. 1.

Nebraska

Nebraska Guernsey Breeders' Association, L. H. Daft, Sec., 2902 North 59th Street, Lincoln.

New York

Broome County Golden Guernsey Milk Company, John Marcy, Jr., Sec., Security Mutual Bldg., Binghamton.

New York Guernsey Breeders' Association, B. J. H. Rikert, Sec., 305 Fayette Park Bldg., Syracuse.

North Carolina

Guilford County Guernsey Breeders' Association, W. C. Fleming, Jr., Sec., Greensboro.

Ohio

Van Wert Guernsey Cattle Club, Otto Gehres, Sec., Wren.

Pennsylvania

Cambria County Guernsey Breeders' Association, W. J. Hoover, Sec., Patton.

Chester County Guernsey Breeders' Association, Douglas Gilpin, Sec., Kennett Square.

Franklin County Guernsey Breeders' Association, Frank N. Miller, Sec., Waynesboro.

Washington

Lewis County Guernsey Cattle Club, R. B. Ticknor, Sec., Centralia.

Pierce County Guernsey Cattle Club, C. J. Lawson, Sec., Puyallup.

Yakima Valley Guernsey Breeders' Association, J. L. Addington, Sec., R. 7, Box 343, Yakima.

Wisconsin

La Crosse County Guernsey Breeders, Inc, Vilas Young, Sec., West Salem.

Newberry County Breeders Meet

ON May 25 Guernsey breeders of Newberry County, South Carolina, met and reorganized the county Guernsey association. Twenty-five breeders and many members of the county Guernsey calf club heard C. G. Cushman, secretary and treasurer of the state club, outline the policies of the recently incorporated South Carolina Guernsey Cattle Club.

"We do not know just what lies ahead of us in the future," stated Mr. Cushman, "nor can we foretell what will be built out of the distressing economic conditions of the present. However, this we do know. No man can go wrong by laying plans to reap whatever good there is promised for him in the future. The man with no plan cannot hope for better things, but the man with a well organized plan, whether it be in breeding operations or the financing and operation of an industrial concern, will be certain to be first to be rewarded when conditions have something good to offer and, if conditions should get steadily and steadily worse, then he has no more to lose than the man with no future plans.

"Regardless of economic conditions—regardless of whether times get better or worse, stocks become worthless, or any other economic condition should come about which would be even worse than we can now imagine, the herd will continue to produce and reproduce, grass will continue to grow, crops can be planted and will bear fruit and the farmer and his stock can live."

Mr. Cushman, using this theme, showed to the breeders that even though discouraged, it was still a propitious time to make plans and to keep the breed name before the public.

Following a general discussion of the plans of the state club, the suggestion of the state organization was followed by the Newberry County breeders in the election of an executive committee of seven men, which body was delegated to elect the officers of the county club and set up a program of county development in Guernsey breeding and other allied problems. A resolution was passed by the meeting recommending to the state organization that all breeders of the state erect a uniform roadside sign, built and painted after a uniform pattern, advertising the farm and the fact that Guernsey cattle were being bred there.

The seven members of the executive committee elected were as follows: H. H. Brown, Newberry; J. S. Renwick, Newberry; A. J. Patrick, Newberry; B. O. Lovelace, Prosperity; D. B. Sease, Newberry; O. P. Suber, Whitmire; E. S. Shealy, Pomaria, and T. F. Colley, county dairy specialist, advisory member.

Officers elected include H. H. Brown, president; J. S. Renwick, vice president, and A. J. Patrick, secretary-treasurer.

4-H Club Builds Herd

IN twelve years, through 4-H club work in Jefferson County, Ohio, five members of the family of Thomas B. Whinnery have been building a Guernsey herd on their farm. The farm is located in the hill territory of western Jefferson County, about

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Horn Chains!
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what you want, the way you want it.

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the coal mining country. It is rough and broken with only a small part under the plow, yet it grows the silage corn and clover hay needed for the herd. Milk is sold at the farm for a retail trade in Wheeling.

Five members of the family—three girls and two boys—all started in 4-H club work with Guernsey heifers in 1919. Louisa won a trip to Columbus the first year and Mabel did so a little later. Alfred sold his heifer for $500. Francis began in 1919 and was a member of several calf clubs in the next few years selling his project each time to pay for his education at a boarding school. In 1929 he was a member of the Jefferson County judging team that won the state contest at Columbus and represented Ohio at the National Dairy Show. The next year he won first in his class and reserve championship on his heifer at the Ohio State Fair. Last year he showed a cow and a heifer calf as a double project in his 4-H work. He now has four females in partnership with his father's herd.

For many years the herd has been tested in dairy herd improvement association work and last year averaged 8062 pounds of milk and 363 pounds of butter fat. Several cows that have been calf club heifers have made records above 400 pounds of butter fat. Animals sold from this herd to other herds doing official testing have surpassed the 600 pound mark.

Washington Little International

THE Little International at the State College of Washington, Pullman, was held this year in the big field house. There were about forty head of dairy cattle exhibited, of which eight were Guernseys. In addition to the dairy cattle there was a good showing of beef cattle, sheep, horses, etc.

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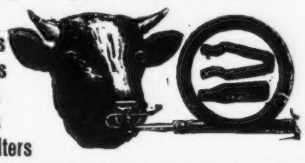
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BUFFALO CORN GLUTEN FEED

the common-sense basis of Summer grain rations

Throughout a Winter and Spring which saw the lowest milk prices in years thousands of good dairymen maintained milk production at low cost and kept up the condition of their herds by feeding rations made up of 50-60% of

BUFFALO CORN GLUTEN FEED

with the balance filled out by bran, hominy, ground oats or other homegrown grains . . . Rations of this kind were the cheapest *good* rations a dairyman could feed last Winter and Spring. And they still are this Summer.

Good herdsmen are not going to take a chance on putting their cows through the Summer on pasture alone. But the problem of what grain ration to feed is a real problem.

A good ration based on Buffalo Corn Gluten Feed is the best solution . . . Write for our booklet of ration formulas.

23% Protein Guaranteed

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CORN PRODUCTS REFINING COMPANY

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The dairy cattle were splendidly fitted, the boys having worked on them for almost two months previous to the show. The animals were selected by the boys and the fitting prizes were awarded on the improvement made; that is, the animals were inspected before the boys started work and then on the night of the show were again inspected for the prizes. This was done so as to eliminate the possibility of a boy drawing an animal that happened to be in splendid shape and required little work winning all the prizes when another boy might have done a great deal better work with an animal that was in poorer shape to start with. The prizes for showing were awarded on the ability of the boy to show his animal. The conformation of the animal or the degree of fitting did not enter into this part of the contest. The Guernseys were splendidly fitted and made a very fine showing. Francis Plotner, Kelso, was the winner of the first prize for showing Guernseys and Robert Zimmerly, Ridgefield, was the winner of first prize for fitting Guernseys. Pictures of these two boys appeared in the June 1 issue of the Journal on page 631.

It is estimated that there were

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Inspiration Ranch, J. A. Frohock, Inc., Bradenton, Box 1465

Indiana

Golden Arrow Farm, W. F. Schacht, Huntington

Kansas

Ransom Farms, W. G. Ransom, Homewood

Maryland

Kendall, Franklin S., Clarksville

Mount Ararat Farms, Dr. Joseph I. France, Port Deposit

Missouri

Fern Hill Farms, L. E. Vaughan, Oronogo

Oak Hurst Farms, Parminter & Sons, Lockwood

New Hampshire

Blueberry Hill Farm, W. B. Oliver, Mgr., Marlboro

Twin Elm Farm, P. C. Thayer, New Ipswich

New Jersey

Hollow Hill Farm, Mr. and Mrs. Paul Moore, Convent

New York

Western New York G. B. A., Ira Johnson Sec., Sugar Grove, Pa.

Texas

Dixie Meadow Farm, Ed. F. Riley, Wichita Falls

Lawnview Farm, Louis Mackensen, R. F. D. 1, Box 18, Houston

Vermont

Moody, M. H., Waterbury

Virginia

Glencairne, D. M. Chichester, Falmouth

Wisconsin

Helendale Farm, William A. Erbach, Prop., Athens

Wyoming

Circle M Ranch, Edward Moore, S. Jr., Big Horn

over 2,000 people present at the show. In addition to the livestock showing, each of the departments in the college of agriculture put on a splendid booth. These booths were very attractive and were the result of a great deal of hard labor and thought on the part of the students. The Sperry Flour Company of San Francisco awarded a beautiful plaque for the best booth, based on originality, attractiveness and educational value. This award went to the booth built by the boys in Agricultural Business.

J. C. KNOTT

Minnesota Field Day

THE Stearns County, Minnesota, Guernsey Breeders' Association can feel justly proud of the 1932 Minnesota State Field Day, under whose auspices it was held. Over 400 breeders gathered from all over Minnesota and surely a more enjoyable and profitable day has never been held for Guernsey breeders in Minnesota.

The weather was ideal, which, coupled with a most beautiful setting on the shores of Lake Coronis, helped to make for a successful day. Nothing was left undone by the Stearns County Guernsey breeders to make the day a success. This is evidenced by the fact that they had sixty Stearns County cows tied in one long row on the picnic grounds. These cows were judged by three groups. The men present, women and 4-H club members. The local committee, which consisted of I. J. Clinton and C. L. Arnold, Watkins, Walter Kruger and A. G. Bork, Paynesville, and A. J. Johnson, Sherwood Farm, Kimball, provided fifteen prizes for judging and three prizes in a production guessing contest. Practically everyone present took part in at least one of the contests.

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WE OFFER - - -
Oddie's Leading Ornament 152144
Born February 17, 1928 - For Sale
Consider the fact that
He is not only a son of Whiteface's Leader of Oaks Farm 95383, A. R., but as a grandson of Florham Leader 55682, A. R., and Ornament of Langwater 69115, A. R. He also carries the blood of Ne Plus Ultra 15625, Brookmead's White Face 32211 and Langwater Valiant 51868.
His three nearest dams average 9986.1 lbs. milk, 527.4 lbs. fat, in immature classes. He is a great grandson of Langwater Nancy 27943, 18783.5 lbs. milk, 1011.7 lbs. fat, Class A, and Abbeyleix Essie 110677, 13471.1 lbs. milk, 744.5 lbs. fat, Class C.
We regret that to avoid inbreeding in our small herd we are compelled to sell "Ornament" but our loss will be someone's gain.
For additional information write Wilbur Seipt.
OAKLEAF FARM
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Accredited - Blood Tested
HIGH QUALITY GUERNSEYS
You can buy grandsons and granddaughters from A. R. dams, of Langwater Valiant 51868 and Langwater Steadfast 31672 from us at very reasonable prices.
WHITCOMB FARMS
Established 1880
Littleton, Massachusetts

L. V. Wilson, manager of Boulder Bridge Farm, gave a most interesting and instructive judging demonstration and placed the cows in the contest. Immediately following a picnic lunch the group assembled in the pavilion for the afternoon program which opened with a word of welcome from I. J. Clinton, president of the Stearns County Guernsey Breeders' Association, and from Mr. Nelson, mayor of Paynesville.

Byron Horton, president of the Minnesota association, responded, complimenting the Stearns County people for the fine way in which they were entertaining the state association. L. V. Wilson was then called upon and, as is always the case with him, he left constructive thoughts with those present. Mr. Wilson pointed out that while many factories were idle the farmer was busy. He brought out the vital part that the farmer and livestock man plays in the nation's wealth.

C. B. Finley, field representative of The American Guernsey Cattle Club, told of this year's activities and of the business of The American Guernsey Cattle Club during the past fiscal year. He also told of the eastern sales. He especially emphasized the need of rigid culling, bringing out that the day was past when any kind of an animal of Guernsey color could be sold and that present conditions were making the buying public more and more discriminating.

Dr. A. A. Van Dyke made a few interesting and enlightening remarks on present conditions, taxes, etc Dr. Van Dyke is a Guernsey breeder and is now a candidate for Governor of Minnesota.

One of Stearns County's oldest breeders, who for years was president of the Stearns County Association, Dr. Sherwood, Kimball, was called upon to make a few remarks. He is an ardent Guernsey milk enthusiast and a thorough believer in the slogan that "as long as we have Guernsey milk available for drinking purposes we do not need any beer." If there is anyone who reads this notice and does not agree with the Doctor, we are practically certain that he can convince you with a large number of facts and statistics he has gathered.

Dr. M. B. Wood was present at the field day, in fact the state Guernsey meeting would not be complete without his presence. Dr. Wood is not in very good health at this time but his love and interest in the Guernsey breed and Guernsey breeders in Minnesota is a driving force which makes him sacrifice to attend meetings.

Entertainment was interspersed throughout the program and immediately after, ball games, running races, etc., took place.

C. B. FINLEY.

Whitby Herd Leads

TEN grade Guernseys owned by Edwin Whitby, Fond du Lac, Wisconsin, won first place in the Calumet Harbor-Eden-Byron Dairy Herd Improvement Association for the month of April by producing an average of 815.0 pounds of milk and 39.4 pounds of butter fat.

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on your Milk Bottles
Improve Their Appearance
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Stock For Sale
First $5,000 check received secures pick of twenty head females (from entire accredited herd of approximately 75 head) different ages, practically all granddaughters of LANGWATER WARRIOR 26509, being sired by WARRIOR OF DESTINY 60692, whose first daughter on test sold at public auction for $11,000. After selection made animals may be left at farm for 60 days if desired. We do no A. R. testing, being strictly dairying proposition, poor milkers being sent to butcher.
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SEX HYGIENE AND REPRODUCTION OF CATTLE, By Dr. W. W. Williams. This book provides the breeder and dairyman with a rational and systematic plan for the prevention and control of breeding losses among cattle. 252 pages, 55 illustrations. $4.75, Postpaid.

MARKETING DAIRY PRODUCTS, By Roland W. Bartlett. A discussion of marketing from three angles—the agencies interested, the aims of these agencies and the price plans used for marketing milk. It is the first treatise on cooperation in marketing dairy products. $4.00.

BASIS OF BREEDING, By Leon F. Whitney. One of the best written books on breeding to be had. 260 pages, profusely illustrated. $3.00.

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Wise Herd Has High Production

A HERD composed of ten registered Guernseys, owned by H. A. Wise, Versailles, Ohio, had the highest average production per cow in the Dairy Herd Improvement Association at Versailles this year with 8581.3 pounds of milk and 437.81 pounds of butter fat. This entitles Mr. Wise to a gold medal, and Mr. and Mrs. Wise to membership in the Ohio Honor Dairy Herd Club.

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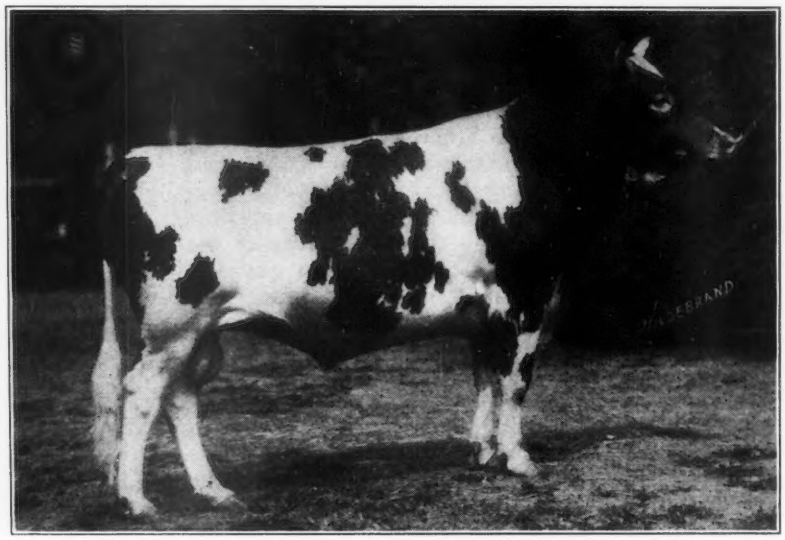
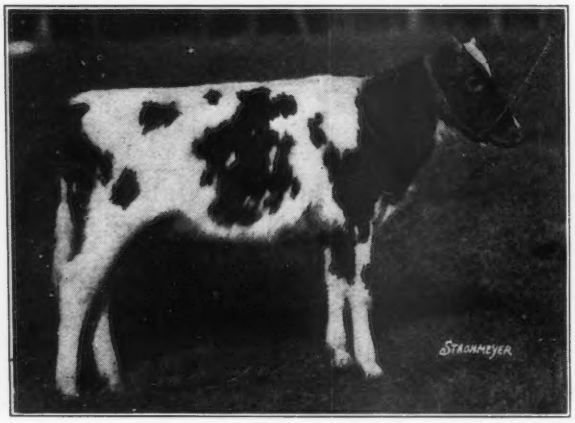
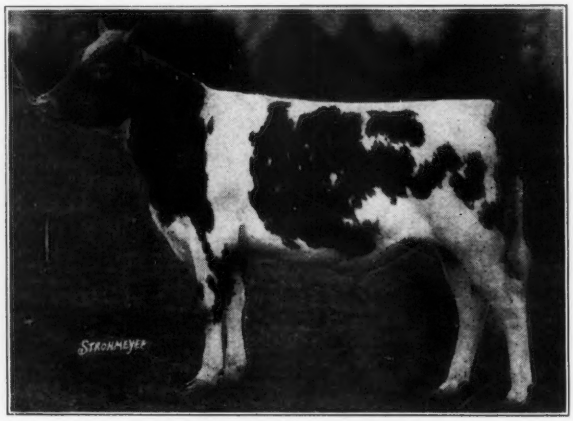


Aiyukpa King's Searchlight 150883

Sired by Aiyukpa King 122782 and out of White's Treva Girl 138210 that was 10th Cow in Class GG with 12928.6 lbs. milk and 689.4 lbs. fat.



As he looked when purchased Nov. 10, 1928



After he started to develop

Aiyukpa King's Searchlight 150883 is siring some very good looking calves.

WINDING CREEK FARM

BLUE ASH, OHIO

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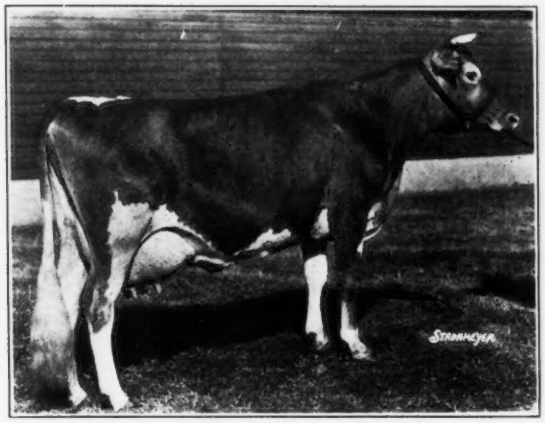
Bonny Bess of Fairview Farm 4th 225383

Born October 20, 1926



13737.5 lbs. Milk, 635.2 lbs. Fat, Class C

"A small herd of select breeding Guernseys"

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Registered Guernseys

15 Cows - 2 Heifers - 1 Bull

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Just one of many fine herds listed with us to sell at a sacrifice. We have several other herds of registered Guernseys and a few herds of grade Guernseys of good quality, accredited and negative. We have a large assortment of cows and heifers from which to make a selection. A Dunn's Tour will quickly convince you that our prices are the lowest.

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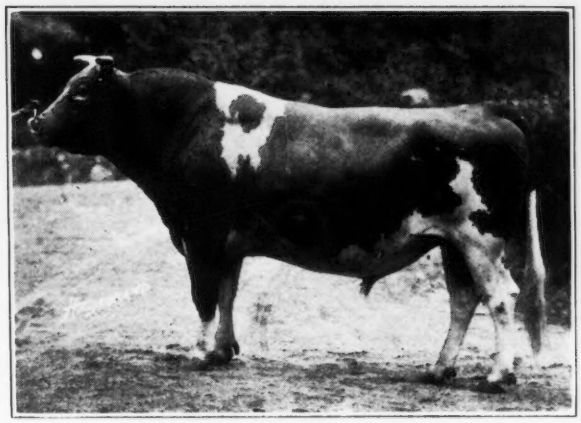
Have turned out a few Class Leaders including World's Record. Am good Calf Raiser and at Showing. Single. Best of References.

BOX 10
GUERNSEY BREEDERS' JOURNAL

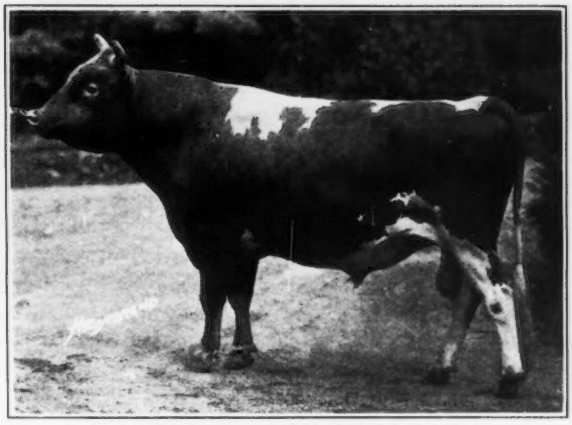
GREAT HILL FARM GUERNSEYS

Senior Herd Sire



LANGWATER PRIOR 115854, A. R.
Sire: Langwater Steadfast 31672, A. R.
Dam: Primrose of Langwater 104538, A. R.
15413.2 lbs. milk, 689.7 lbs. fat, Class A

Junior Herd Sire



LANGWATER KITTANSET 146814
Sire: Langwater Horatius 63071, A. R.
Dam: Langwater Clara 127874, A. R.
12473.4 lbs. milk, 702.7 lbs. fat, Class A

Federal Accredited

Marion - Massachusetts

Mrs. Carrie M. Stone, ***Owner*** **Arthur E. Griffin,** ***Manager***

Investments *and* Guernseys

The relative position of Guernseys and other investments is shown below by comparing stocks, farm products and farm income with the spring auction sales of the breed. The table shows prices of today, those of last year and of 1929, or the top year of all prices.

	Now	1 Year Ago	3 Year Ago
***Stocks**			
50 Industrial stocks	37.6	92.7	204.7
20 Railroad stocks	14.6	64.5	136.5
20 Utilities	53.7	111.1	233.0
Averages of all	36.8	96.9	197.9
Farm Products			
Butter (Av. for mo.)	20.0	26.1	45.4
Milk (U. S. av. 3.5%)	1.76	2.25	8.78
Wheat Bran	15.5	20.25	25.00
Wheat Middlings	10.50	19.50	24.25
Linseed Meal	29.00	31.25	52.25
Cottonseed Meal	14.50	22.00	38.30
Alfalfa Meal	18.30	21.83	29.30
Farm Income			
All Crops (in millions)		2,920	6,249
Livestock (in millions)		4,000	5,603
Pure Bred Guernseys			
Males	238.00	211.80	451.20
Females	212.00	222.40	412.90
Average of all 699 head at 13 auction sales this spring	214.00	220.60	419.40

*Standard Statistics, Inc.

COVENTRY FARM GUERNSEYS

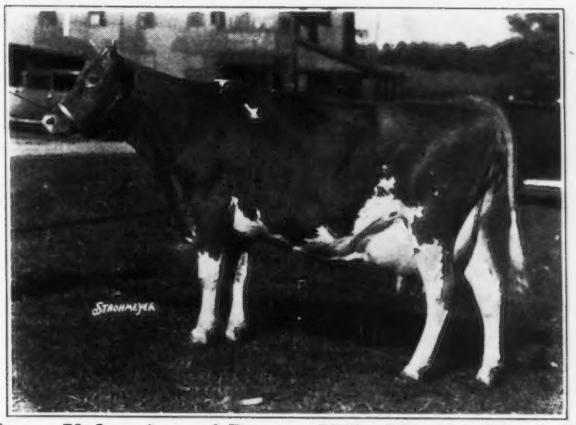
FEDERAL ACCREDITED HERD NO. 105020

N. J. ACCREDITED ABORTION FREE HERD NO. 1

"Valentine - Sequels"

Young Bulls For Sale
at Reasonable Prices

Every animal sold by us is negative to the blood test for contagious abortion.



Imp. Valentine of Passee Villa VI. 214458, A. R.
1st prize aged cow Far Hills Show, 1930
1st prize dry aged cow, Far Hills Show, 1931
Dam of our Junior Herd Sire
COVENTRY VALENTINE SAILOR LAD 162297

R. L. Benson, *Owner* **G. F. Stone, *Supt.***

PRINCETON, NEW JERSEY

GREENWAY FARM

WARE - MASSACHUSETTS

ACCREDITED - BLOOD TESTED

Through the courtesy of John S. Clark we have had the use of

Langwater Hardwick 141685

Sire: LANGWATER PHARAOH 98719
14 A. R. daughters

Dam: LANGWATER BLANCHE 143402
14914.7 lbs. milk, 750.4 lbs. fat, Class A

Hardwick's three nearest dams average 16309.3 lbs. milk and 831 lbs. fat

We have several good young bulls out of good A. R. dams, priced cheaply, also some heifers

George H. Timmins, *Owner* — L. B. Wilson, *Superintendent*

Mill Road Farm

Lake Forest - Illinois

May Rose Strain
Pure Bred Guernseys

Negative to Blood Test
Accredited

Albert D. Lasker, Owner — C. A. Tregillus, Supt.

POSITION WANTED

By an Experienced Graham's Breeding School Student

Have made several good A. R. records up to 902 lbs. of fat. Know how to produce Grade A Milk, am a good hand with calves and have had some experience in fitting and showing cattle. I am single. I do not use any tobacco or booze. Willing to go anywhere. First class reference.

LINDLEY M. PEACOCK
R. R. No. 2 — Mooresville, Indiana

ACCREDITED NEGATIVE

BREIDABLIK

Offers for sale - -

a very promising bull calf sired by a son of Cramond Vulcan 54458 and Ultra's Olivia of Edgemoor 77910 and out of a daughter of Foremost's Raider 112013 and Lillian of Breidablik 182627.

Leader's Foremost Raider (R. P.)

Born September 22, 1931

SIRE: Edgemere Leader 115415
DAM: Foremost Lillian of Breidablik 225327
10586.1 lbs. milk, 576.4 lbs. fat, Class G

BREIDABLIK FARM

Wilmington, Delaware

EBBA V. KREBS
Owner

R. S. CASE
Mgr.

POSITION WANTED

As Manager or high class Herdsman on large farm or gentleman's estate. Have had many years of practical experience in general farming and breeding pure bred stock. Have made A. R. records to nearly 1,000 lbs. butter fat. At present am located on large farm in eastern New York, but a change is desired for many reasons. I am a married man with two children. Can be available in thirty days. Please give details of your proposition and what salary you expect to pay.

BOX 11

GUERNSEY BREEDERS' JOURNAL

Will Trade For Heifers !

Sons of WARD ACRES JUPITER 151542
Sire: Langwater Africander 57121
Dam: Regina of Fairydale 134075
16105.1 lbs. Milk, 906.7 lbs. Fat, Class B.

From DAMS AND GRANDAMS UP TO 800 LBS. BY LUETTA'S SECRET OF MINOT 48673 with 10 A. R. daughters that average 11275.44 lbs. Milk and 623.83 lbs. Fat at an average age of 4 years and 7 months. Average butter fat test was 5.54%.

Will exchange pictures, pedigrees and pamphlet.

Maherwood Guernsey Farms
Devils Lake North Dakota

and now a 600 lb. average

Five tested daughters of Roughwood Prestige 112432 have made 600 lbs. fat in Classes G and F.

Bulls from worthy A. R. cows for sale.

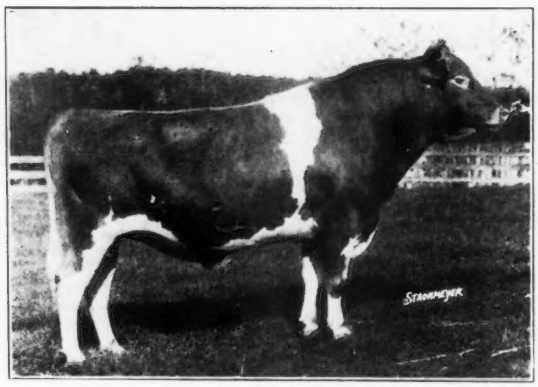
Established 1908 - 100 Head

Federal Accredited - Negative to Blood Test

ROUGHWOOD GUERNSEYS

George N. Barrie
Supt.

CHESTNUT HILL, MASS.



Roughwood Prestige 112432

SIRE: Regent of Roughwood 67926, 11 A. R. Daughters, 2 A. R. Sons.
DAM: Demonstrator's Pearl of Longwood 128074,
A. R. Record: 11981.4 lbs. Milk, 718.0 lbs. Fat, Class G

His five daughters

Roughwood Jacqueminot 236323	529.90 lbs. Fat, G
Roughwood Niobe 269356	577.90 lbs. Fat, G
Roughwood Elegance 244029	515.60 lbs. Fat, G
Roughwood Juanita 270162	620.82 lbs. Fat, G (Unofficial)
Roughwood Belle 256963	754.80 lbs. Fat, FF

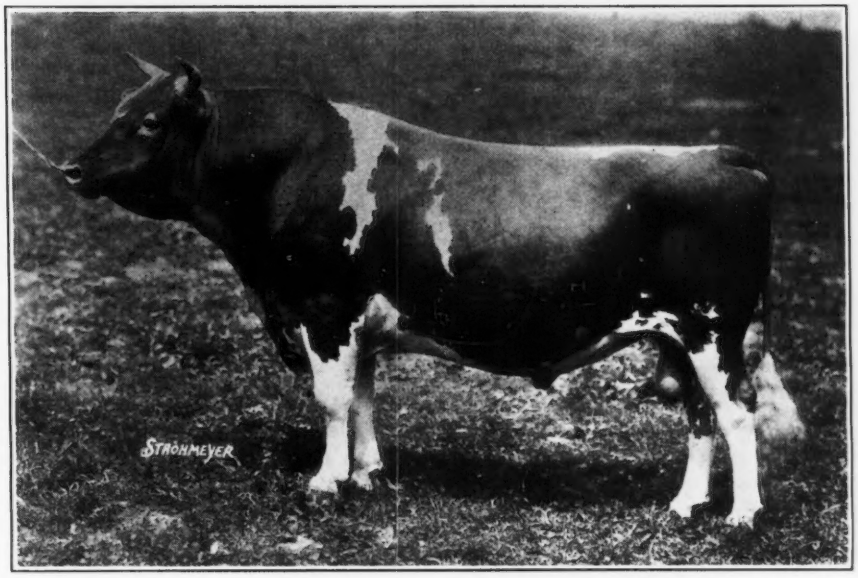
"STARS and STRIPES"

"ROYAL MASTER"

INTRODUCING

Brookmead's Herald 152117

ONE OF OUR OUTSTANDING HERD SIRES



Whose first daughter on test - ***Brookmead's Galore 283843***–
made - Milk 10365.3 - Fat 534.7 - Class G

His Sire:-

Langwater Master Fred 51494, A. R.
sired
Brookmead's Veronica 117142
Former Class AA Leader
Milk 14502.5, Fat 864.6

Langwater Warrior 26509, A. R.
Sire of 35 A. R. daughters including Langwater Heritage 77997, Milk 18596.3, Fat 876.9, Class A

Langwater Mary 38604, A. R.
Milk 12681.8, Fat 668.0, Class A

His Dam:-

Hildie of Brookmead 2d 69743, A. R.
Milk 9674.2, Fat 524.3, Class A
Full sister to former World's
Champion, Brookmead's Dorothy 55715

Langwater Stars and Stripes 21872, A. R.
Sired Brookmead's Dorothy 55715. Former World's Champion, Milk 14179.4, Fat 742.1, Class G

Hildie of Brookmead 42617, A. R.
Milk 12599.2, Fat 632.5, Class E. Dam of Brookmead's May Rose 49803, Milk 13332.2, Fat 740.3, Class A

WRITE FOR SALES LIST

Federal Accredited Herd No. 47239 ***Abortion Free Herd No. 258***

"STARS and STRIPES 2d"

"MASTER FRED"

BROOKMEAD FARM

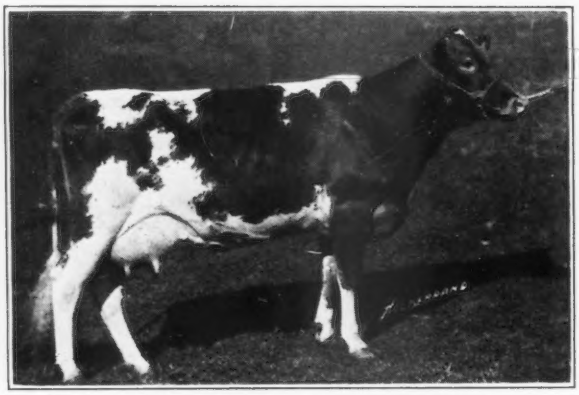
Frank Graham Thomson, Owner

Farm:
DEVON, PA.

Office:
526 LAND TITLE BLDG.
PHILADELPHIA, PA.

Please address all correspondence to Philadelphia office.

The Guernsey Cow



FRIENDSHIP R. ULTRA EMERANDE 276079
A Class Leader and State Champion with 12054.5 lbs. milk, 527.1 lbs. fat in GGG. Her May color test was 7.1.

Hath Charms

to soothe the troubled housewife in these troublous times

COLOR **QUALITY** **FLAVOR**

So essential in the daily diet, are inherited characteristics of Golden Guernsey Milk. This indispensable combination will be found in Friendship Guernseys, which are selectively bred to produce milk of high color and high production. The constructive breeder will do well to purchase a bull of this inheritance.

A. A. Thompson, *Owner* **OAK HILL ESTATE** **Uniontown, Pa.**

NEW YORK

The Empire Guernsey State

The demand for New York State Guernseys is greater than ever as was demonstrated at the Spring Sales this year. The top Sale of the Season with an average of $399.30, the top price bull at $1,200.00, and the second high female at $2,000.00, indicates that breeders appreciate the quality of New York Guernseys in which type and production are the result of breeding and not chance.

Breeders appreciate more and more the services which this Association can offer in the location and selection of these better Guernseys. This is shown by the fact that in the first six months of this year we have sold more than twice as many Guernseys for more than twice as much money as were sold during the entire year of 1931. We suggest that you arrange with us to visit with our breeders who can fill your requirements reasonably.

Write or Wire Us For an Appointment

THE NEW YORK STATE GUERNSEY BREEDERS' ASSOCIATION, Inc.

Address all communications to
HAROLD R. HUSTON

305 Fayette Park Building
SYRACUSE, NEW YORK

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SPRING FARM

Tilly Foster, New York

Our Youngest Herd Sire is

Imp. Cherry's Victor 172551

SIRE: Victor of Myrtle Place 5498 P. S.

DAM: Imp. Imperial Cherry 291721, A. R. 10493.0 lbs. milk, 581.1 lbs. fat in 345 days, Class E. (Island Record.)

His calves are beginning to come, and look good. We keep bull calves from only our best cows. Herd is Accredited and Blood Tested.

Elizabeth Douglas
Owner

For particulars apply to
Thomas Johnson, Tilly Foster, N. Y.

Drastic Reductions in Guernsey Pedigree Prices

TYPEWRITTEN PEDIGREES

2 Color Fully Extended, on large blanks, one copy

	Present Prices (In effect immediately)	Former Prices
14 ancestors on 8½ by 11 blank	.50	New feature
14 ancestors on 14 by 14 blank	.75	$1.00
30 ancestors on 14 by 16 blank	$1.15	1.50
62 ancestors on 14 by 17 blank	2.00	2.50

In connection with our typewritten pedigrees we have a LOOSE LEAF 30 ancestor and 62 ancestor blank punched to fit covers. Blanks of large size, linen ledger stock. Covers are sectional post, lock back. Two color pedigrees on 30 ancestor blank at $1.15 and on 62 ancestor blank $2.00. On reverse of pedigree side are breeding and production records.

DUPLICATOR PEDIGREES

2 Color, Fully extended on large blanks

	Present Prices	Former Prices
14 ancestors on 8½ by 11 blank		
	15 copies .75	10 copies $1.00
	30 copies $1.00	
14 ancestors on 13 inch square blank		
	Discontinued	10 copies $1.50
30 ancestors on 14 by 17 blanks		
	15 copies $1.50	10 copies $2.75
	30 copies $1.75	
62 ancestors on 14 by 17 blanks		
	15 copies $2.25	10 copies $3.75
	30 copies $2.50	

Our duplicator pedigrees are very legible, neat and fully extended. Postage prepaid. Orders and inquiries handled ***promptly.***

Similar reduction in prices also effective on Sales catalogue work.

Those Breeders who have not seen our pedigrees are invited to send for samples.

We are rigidly adhering to our usual standards of quality.

Our files are strictly up-to-date and our facilities for issuing the best type of pedigree obtainable are unsurpassed.

Ithaca Sales and Pedigree Co.

513 N. Tioga Street Ithaca, N. Y.

MEREDITH FARM

- Topsfield, Massachusetts -

Offers - - -

Three Young Bulls

AGES:

1 Year - 7 Months - 6 Months

DAMS:

Three Of Our Best Cows

A. R. RECORDS:

809 Lbs. Fat, B
649 Lbs. Fat, G
550 Lbs. Fat, G

SIRES:

Florham Premier 109643
Birchfield Laddie 150813

Nice Individuals

Prices, $250 - $150 - $125

Also A Few Females

ACCREDITED — **E. Wigglesworth** — ***Owner***

NEGATIVE — **H. M. Clark** — ***Manager***

Senior Sire 1923 - 1930

Imp. Bickleigh Chieftain V. 91011

Ten Advanced Register Daughters

averaged 13245.1 lbs. Milk
703.9 lbs. Fat

Their Dams

11009.9 lbs. Milk
570.9 lbs. Fat

These records ***are*** comparable since all were made at Greyholme and, where necessary, have been converted to Mature equivalents by the conversion factors of The American Guernsey Cattle Club.

Write us about a bull carrying this sort of inheritance.

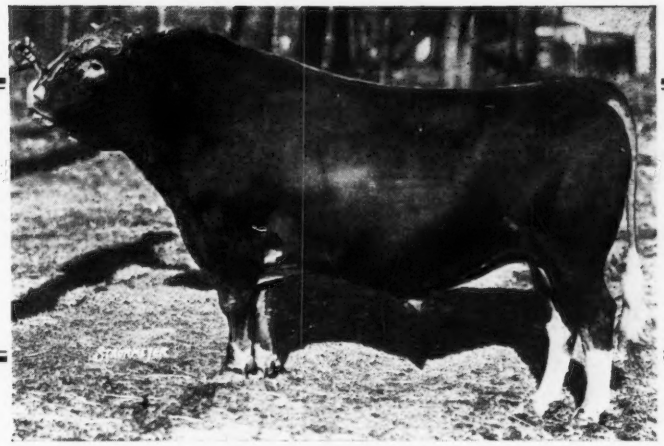
Greyholme Farm

East Greenwich - Rhode Island

C. PRESCOTT KNIGHT, Owner ***WALTER A. COOK, Manager***

At the Butterfat Farm

BUTTERFAT DAUGHTERS HAVE MADE GOOD



BUTTERFAT SONS ARE MAKING GOOD

Imp. Primrose's Butterfat 104967

31 tested daughters with 37 records that average 619 lbs. fat including 30 immature records and 6 in Triple Letter Classes, three of which are World Records.

His last six daughters to finish, published in the last issue, average 716.25 lbs. fat.

Here are a few of his granddaughters showing that the blood is carrying on through his sons.

Name	Class	Days	Lbs. Milk	Lbs. Fat
Hilltop Que Vive Annabelle 295215	G	138	5604.0	292.12
Heartsease Butterfat Belle 301631	G	121	4005.5	219.04
Que Vive Favorite 286958	F	242	7082.7	442.09
Hilltop Bonny Freesia 301635	G	85	3554.3	197.31
	(Retest for June)			

Animals of both sexes for sale including three sons of

Imp. Primrose's Butterfat 104967

(WHY NOT ADD A LITTLE BUTTERFAT TO YOUR HERD?)

Federal Accredited *Blood Tested*

HILLTOP FARM

Trade Mark Registered U. S. Patent Office

SUFFIELD CONNECTICUT

Geo. M. Hendee, *Prop.* F. H. Smith, *Manager*

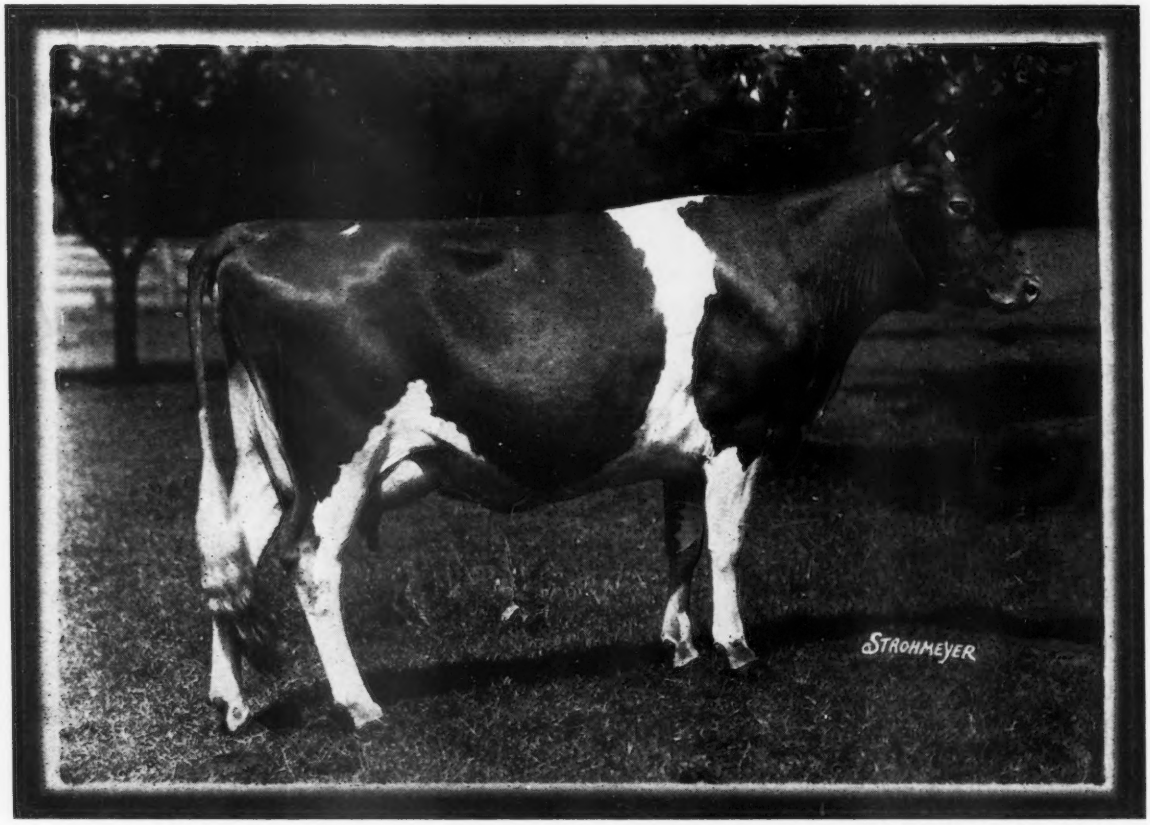
"OSCEOLA FARMS"

TUBERCULOSIS FREE
CERTIFICATE 149223

Imported Guernseys

ABORTION FREE
CERTIFICATE 14

Just a collection of the best cattle bred on the Island of Guernsey



(A good prospect for the Four-Year-Old class, calving August 31)

If you reguire a two, three or four-year old, calving right, to round out your show herd, we have them. Osceola Farms cattle have always been right to the front in the show-ring and we have every reason to believe they will be there again this year.

Our present offering, recently augmented by the spring importation, affords a rare opportunity to select a real foundation herd.

We invite you to inspect this herd and have every confidence in your being enthusiastic over it.

GORDON HALL

Osceola Farms, Cranford, New Jersey